







PROCEEDINGS

OF THE

Connecticut Medical Society,

1884.

NINETY-THIRD ANNUAL CONVENTION,

HELD AT

New Haven, May 28th and 29th.

NEW SERIES. VOL. III.-NO. 1.

PUBLISHED BY THE SOCIETY.

S. B. St. JOHN, M.D., Secretary,
HARTFORD, CONN.

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1884.

The Connecticut Medical Society does not hold itself responsible for the opinions contained in any article, unless such opinions are endorsed by a special vote.

Next Annual Convention of the Connecticut Medical Society will be held in Hartford, May 27 and 28, 1885.

All communications intended for the Connecticut Medical Society must be addressed to S. B. St. John, M.D., Hartford, Conn.

CONTENTS.

	F Miller
Link of affices,	1
Standing committees.	- 2
Proceedings,	- 11
President's address to Pellews,	5
Transport Report,	10.
Bepart of Contributes on County Resolves.	17
Hencery Menters,	12
Secretary's Report.	18
New Monthern	18
Essayinta for 1885.	21
President's Address: The Medical Publishes and its Clause to	
the Bergers and Greeneds of the Community,	100
Report of Consulter on Matters of Penfestional Interest in the	
State, W. C. Wite, M.D., Chairman,	44
Tolland Greaty, Dr. S., G. Ridey, Deporter.	33
Epidemic of Membra, Dr. C. B. Newton,	244
Opteo-tarccena of Uterra.	156
A Case of Opinio pointering excessfully treated with infe-	
sion of Cuffre, Dr. E. P. Plint,	-33
A Case of Left Lumber Colotony, Dr. Frank L. Smith.	177
New Levelse Gamety, Dr. W. H. Dudley, Reporter,	141
An Externely Enlarged Heart, Dr. E. C. Klimey,	1408
On Provailing Diseases, Dr. L. S. Paddisci,	14
New Hayer County,	45
Bachiris and Attalerman, Dr. P. E. Beckwitt,	45
Windless County,	47
Bellishman Poloming, with complete recovery, Dr. C. J. Fox.	42
Annual Control of Cont	
Estavo.	
California as a Health Besset, Dr. A. M. Stew,	- 41
Medicine fifty years ago, Dr. R. W. Matthewson,	- 57
The Early Disguisis and Treatment of Pott's Domaie of the	
Spine, Dr. Gro. B. Parkard,	-44

Ninety-six Cases of Conjunctivitie, Dr. F. M. Wilson.	- 66
Strangelated Hernis, Dr. Ges. W. Harris.	. 36
Malarial Diseases Cured without Quinter, Dr. A. Brardab	(5) 84
The Germ Theory of Discuss, Dr. N. E. Wordin,	- 30
Steinser Health Resorts, Dr. S. D. Gilbert,	. 00
Identity of Crosp and Diphthoria, Dr. Lewis Barnes,	181
The Woman and her Bed in Parturition, Dr. E. Prank Co.	ates 126
Thrombosis, as a sequel of low Typhoid Peyer and o	
Adyramic affections, with cases, Dr. Isaac G. Par	
A case of Gliona of the Retira, with illustration, Dr. W. T.	
Peritaphtistic resulting in Absons-operation-recovery	
E. Aluana,	- 141
A Case of Arate Erysipelas following Levelshites com-	
with Supposeion of the Unne, and followed	
Abscess in the right saldlife our, Dr. Geo. W. Av.	
Cases of Totorest, Dr. W. H. Cameall,	147
Secretary and the second secon	- 100
Oppression	
Aretus Rising, M.D., Sufficial,	. 163
Elishana Brandager, M.D., Berlin,	166
James Baldwin, M.D., Duaberry.	163
Honorary Members,	. 168
County Societies,	178
Alphabetical List of Members,	
	Parties 173
Appendix A - Act incorporating the Connection Medical	
and to establish the Medical Institution of Vale I	
Appendix B—American Medical Association	. 191
Appendix C-Report of Committee of Examination,	- 13/2

PROCEEDINGS OF CONNECTICUT MEDICAL SOCIETY.

CONTENTS OF VOL. III., 1884-1887.

				- 0	-
1884. Proceedings.				+	3
Address to Fifteen by President,	-				19
Treasurer's Report,		9			THE
Report of Consulttee on County Res	oren.		-		27
Smretary's Boyert,	-				2.5
1863. Proceedings.		0			- 1
President's Address to Fellows.		*			. 8
Tomare's Report,	10		-		11
Report of Special Meeting at Bartie	Hů,				38
Sacremer's Beports	-	-		-	10
1886. Proceedings			4		Ŧ
President's Addition to Fellows.					3
Treasner's Reputt			4		111
Report of Committee on Proposed C	dente.				18
Scendary's Report.	0				-21
1887, Proceedings,					3
Problems Address to Pellows		1		-	1.2
Besidifican at County Societies,		-			1.0
Treasurer's Report,					22
Secretary's Report,	2		Acres		25
Report of Convenience on Matrice of	a troiter	dreat.	Tuccion!		100
1884. W. C. Wife, Chairman, -					38
1885, N. E. Wordin, Chairman		1111			
Advanced Medical Education: There	Sentre	nd ello	and Co	***	47
vallaria Majalla,	3		-		
Pieridia Erytheira - Cascara Sigra	ditte .		-		(82
1888. C. J. Fox, Chairman:					
Prevailing Types of Discour Male	11100	*		1	157
1881, A. K. Nelson, Chairman					444
Report of Chalinnan, .		20			335

CARGO AND PAPERS.	
1986	Pacs.
California sa a Health Resort: A. M. Shrw.	49
Melicine Fifty Years Ago: R. W. Mathewson,	97
Early Diagnosis and Tenturest of Pop's Diame of Spine	
G. B. Parkard,	114
Nisety Sx Cases of Conjunctivitie: P. M. Wilson,	81
Strangelated Birnin: G. W. Harris,	76
Malarial Diseases Cured without speniess: A. Beardsky,	64
The Germ Theory of Discase: N. E. Woollis,	15.
Surgery Health Bowets: S. D. Gilbert,	114
Identity of Croup and Diphitania: Lowis Barron, .	340
The Woman and Her Bol in Potonition: E. Frank Coules,	118
Thromboso as a Sequel of low Typhoid Peres and of other	
Adymies Coulitions T. G. Perter,	120
A Cine of Glicera of the Retina W. T. Bacon,	137
Pentyphinis resulting in Abscess: A. E. Abname.	141
A Case of Acute Erysipelas following Level hitos com-	120
picatel with Supposite of Error and Suppositive	
	188
Ottis Mella: G. W. Avery,	147
Cases of Interest: W. H. Carrett,	194
1885.	
Contrarial Observations on the Past, Present, and Pature	200
of the Connectical Medical Scalety S. G. Holshard,	54
The Internal line of Germichles: W. W. Keighl,	112
Symptoms or Criteria by which to Diagnose Insurity from	245
Crim P. Curidy,	131
Angira Pretoric: S. W. Treser,	134
Thompeutical Use of Capaleum: A. T. Doughu,	159
Tentiment of Steleture of the Urethra: P. U. Whitismore,	165
Surgical Notes W. C. Wills,	132
1446.	
Damages of Partintines and their Repair: P. H. Irgalla,	64
The Microscope in its Relation to Disease: J. W. Wright, -	10
O Tempure: O Morey Jan G. Stanten,	62
Degenerative Disease of the Kidneys: W. S. Morger,	87
Acute Presumenta: S. D. Gilbert,	100
The Presenting of Instalty Gustarus Effort,	100
Intra cranial Herratriage in its Medico legal Asperts: John	
II. Levis.	100
Sons Causes and the Treatment of Summer Complaint in	
Children: H. L. Dent,	1:93
The New Haven Water Supply: H. E. Smith and W. E.	
Larkwood.	149

						Page.
Surgical Notes: W. C.	Wile, .	- 4		- 0		144
Case of Intra-Thoracic	Sarrosas	J. W	lewett,	- 10		1942
Case of large Billiary C	Westin A.	B. Goo	Irich.			176
1897.						
Treatment of Discusor	of the E	ir by s	he Gen	ral Pr	acti-	
tioner: A. E. Abram					-	0.1
Climateric Glycourie	C. R. She	sheed:		-		40
Belifion between Scre			J. 1L	Kent.		63
New Remedies: T. H.				21911	- 84	59
In Sunking Injurious:	A. E. Ada	105				67
The Alcoholic Quee			emobles	d: 7.		
Marchine	2	1				73
Numerous of the Tr	Iducial Non	ver M.	Store,			78
The Adirondacks on a						87
Eryslone of the Ov U				71.0		93
Medico-Legal Study of				ard.		113
Natiral and Assisted 1						197
Mersolr, Dr. Elisha No.						110
					- 1	
DISL	mantered,s					
The Medical Profession						44
Gentlimbe of the Co	CONTRACTOR - A	ERA	250	-0	-0	24
1965						
Nervomber B. N. O.	annego.					-24
1886.						- 44
Diabetes Mellione: R.	C. Killey,		-	-	191	-24
1001	OMPTAN	HOS.				
Areton Ridey.						183
	-					166
Elishana Brandague,		-	- 3		-	167
	* 1			-	181	101
1865.						201
WHILE THE REAL PROPERTY OF THE PARTY OF THE					4	200
Access to the contract of				100		211
		-		-	- 1	233
PROPERTY AND ADDRESS OF A STATE O			-	3	-	212
	()		- 0		- 0	33.6
The second secon	()	-		-		222
1894.						444
William Wood,			- 20			173
David A. Tyler,			- 1	-		176

							7456.
Artist Westward					100		179
Sauraci Hyschins,			7.	- 1	-	-	191
Abenin M. Slicw,				- 1	177		132
L. C. Vinal.	141	40	-		-		187
1887.							
B. F. Birrison,		- 4			1.7		155
P. A. Jewett.			- 4	- 4		- 1	149
T. R. Jenett, -		- 4	- 2		-	-	171
W. O. Ayres, -	-						124
Gen. B. Patnata,	191		-				276
T. P. Gibbons,	-			-	-		175
45 M. Carleton,	100						181
E. Prank Coates,	163					-	3,94
A. H. Hough,	-		-		- 11	10.0	185
W. C. Bennett,		-			- 1		187
Fac. Of all-la							7460

OFFICERS OF THE SOCIETY. 1884-1885.

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G F. LEWIS, M.D., Bennerout.

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G. L. PORTER M.D.

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R. S. GOODWIN, M.D.

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Altreauce

E. E. BISCKWITTE M.D.

PROCEEDINGS.

CONNECTICUT MEDICAL SOCIETY-NINETY-THIRD ANNUAL CONVENTION.

The President and Fellows of the Connecticut Medical Society met in the Common Council Chamber, City Hall, New Haven, at 2 r. m. Wodnesday, May 28, 1884.

The President, Dr. Elisha R. Nye of Middletown, called the Convention to order, and appointed Dr. A. T. Dengha and Dr. S. R. St. John as the committee to examine the credentials of the elected Fellows. The committee reported the Fellows elected whose names are presented. The list was accepted and the committee discharged. The following is the list as presented:

LIST OF PELLOWS, or office.

Printest.

E. B. Nan, M.D.

Tion Premilian.

B. N. Comson, M.D.

Vice-Personner concio.

C. W. Coassissings, M.D.

*R. B. GOSDTEAR, M.D.

*E. F. Coars, M.D.

STITE HILL, M.D.

"Wm. A. Lewis, M.D.

*W. J. BEARN, M.D.

*S. U. Teaser, M.D.

F L. DRAINGS M.D.

Thumar.

E. P. Swamy, M.D.

Sorting.

S. B. Sr. Jone, M.D.

Consults on Matter of Professional Interest in the State.

W. C. Wile, M.D. J. A. Grassin, M.D. E. C. Kisser, M.D.

FELLOWS BLECTED IN 1884.

Hertjurd County.

M. Storre, M.D. Y. G. Wright, M.D. George Clary, M.D. Wm. H. Mather, M.D.

H. G. Howe, M.D.

New Harm County.

W. R. Harriett, M.D. Henry Fleischner, M.D. Lewis Barnes, M.D. J. D. McGaughey, M.D.

F. E. Beckwith, M.D.

New Lindon County.

L. B. Almy, M.D. J. LaPlerre, M.D. A. T. Dvughas, M.D. F. N. Braman, M.D.

F Cassidy, M.D.

Pairfield County

G. A. Shelton, M.D. W. S. Todd, M.D. Robert Lander, M.D.

S. E. Wordin, M.D.

Windson Comby.

C. J. Fox. M.D. W. W. Foster, M.D. *C. N. Alfen, M.D. *F. G. Sawtelle, M.D.

*Oner Lalbie, M.D.

Literal Charge

H. W. Shore, M.D. W. S. Munger, M.D.

*L. J. Ketchum, M.D. R. S. Goodwin, M.D.

*R. P. Knight, M.D.

Middlerer County.

F. D. Edgerton, M.D. J. F. Calef, M.D. D. A. Clensvland, M.D. G. C. H. Gilbert, M.D.

J. Olmsterl, M.D.

Telland County.

F L. Dickipson, M.D.

E. K. Leonard, M D

C. F. Summer, M.D.

The President thee addressed the Convention

Fellows and Beethren of the Connecticut Medical Society .-

Assembled as we are under a by-law appended to the charter which gives us a corporate existence, I will avail myself of the occasion to tender to you, and through you to the members of our body, my sincers thanks for the boson, unsought on my part, of being called to preside over so honorable a body as the Connection. Medical Society. While it affects me pleasure to welcome you to this our armual gathering, I wave and trust I shall receive your aid and forbestance in the discharge of the duties persuning to the office which I am temporarily to fill.

While we avail ourselves of the occasion to enjoy the amenities and strengthen the friendships so desirable in all fraterinties, I have no doubt that our action will be such as to furnish adequate proof that we are influenced by the still nobler purpose of a better qualification for discharging the important duties which, as medical men, the public have a right to and do expect of us.

Among the topics which will come before this Convention, and which excited no little interest and discussion at the meeting of last year, is as to the legal status of our Seciety. It appears to be a question whether section 6 of an act of the Legislature passed in 1879, making some changes in the charter of the Medical Institution of Yale College did not amuni that of the State Medical Society. Your committee to whom the matter was referred, with power to employ commed, here the opinion of a legal gentleman that the section in question did not amout the charter; but this opinion, however authoritative, is not decerve, as it is not consurred in by some legal authorities, as appears in the report of the Secretary of last year. It would seem that the most direct and effective may of putting the question permanently at rest would be a healing act by the Legislature. I would suggest the advantability of such action on the part of the Secrety as will being about that require.

Among the recommendations of the Committee on Bosiness is an arbition to the by-laws that "all remarks scale in the discussion of any subject shall be committed to writing by the person making them either before or intracdiately after making them. The Secretary shall provide suitable tablets at the expense of the Society for this purpose. That the object aimed at might be in many cases desirable is obvious. Whether a general observance of the rule can be secured, especially when the remarks are of much suitant, I very much question, still, as the expense of the tablets will be small, perhaps it may be well to test the operation of the by-law by passing it.

Another by law recommended by the committee is: "No voluntary paper shall be published which has not been read before some County Medical Association and recommended by them." If the proposal by law were so modified as to allow of the publication of relustary papers read before the State Convention and deemed worthy, although they negle not have been read before any county association—certainly a not very improbable case.... I should recommend its adoption.

I sonour in the recommendation that a by-law he passed requiring each county society to appoint one of its Fellows, and an altermen, to serve as a susuber of the Nominating Committee.

I also second the recommendations of the committee to whose were referred the suggestions of my worthy predecessor.

Considering the number of proposed additions to your code, and remembering that has realize accretimes our by exacting terrumny rather than too few. I refrain from adding to the list you have before you.

Among the topics to which I would invite your attention in that of favguene, and our duty as medical incid in regard to it.

While in every community cases of individual sickness and death, endenies to epidenies, have been of more or less common occurrence, the lesson which they teach, as the only means of preyening then-the rigid enforcement of scattery regulationshave quite too often here unfeeded. Hence the serious fact, the truth of which no intelligent physician questions, of more or less frequent presentable double. That increased attention has been given to this important subject by the protonsion within a few years is true; that much more should be done in this direction has been made quite apparent. In every community, soods of disease and death are alteritant. From observations made both in our own country and in Europe, it has been rendered more than probable that the distribution of milk in different neighborhoods from houses where diplotheria or scartating has been prevailing, has been followed by the appearance of these diseases. Record investigations have led to a rapidly grawing conviction that many of our prevalent diseases have their origin in microscopic organisms, that these organisms frequently abound in both the atmosphere and in the soil: beans in modern papers we encounter such terms as h lanillur nibercelous, Javillus mederia," etc.

From the researches of Pettenkofer and others, the German and other European governments have been led to establish institures for the promotion of laypeans in all its transfess. That the result of these enterprises will well repay the expense and labor they involve can hardly be questioned. That is our own State as well as elsewhere, the whole subject of sanitation, both public and private, domainly greater attention than it has received in the past, in I think oridinat; and that this attention comes properly within the province of the profession is equally so. Certainly as in a not uninepartant sense grardians of the public health, we are performing quite as important a duty in preventing disease as in coming it.

It will be remarabered that at our last meeting the matter of revising the code of ethirs was before it, and that by vote the subject was laid on the table, though so far as I know, not with a view of salling it up again. As, however, the subject is receiving so little attention in these days, I may properly refer to it

That harmony and mutual respect and confidence between the arembers of all fraternities are highly desirable is self-evident. Such are the relations of the perfession as a body to the community, that its standing is to a considerable extent in the keeping

of the body. It is equally true that the good name of each memher is to a greater or less extent in the booping of his brothern. especially his professional neighbors. That the requirements implied in these relations have been and are, as a general rule, faithfully observed. I am glad to believe; hence in all civilized communities, such is the standing of the body of regular physiciars that any one may justly be proud of being deemed worthy of membership in it. Yet the experience and observation which more than forty years of professional life have afforded me, have ted me to believe that cases may occur of members within our ranks, and properly occupying a position on the respectable side of the line which sireles the mountebank from the regular; men commanding the respect of all who know them; good estimus and good doctors; men quite above any will to stolate any civil law, but who yet are not quite up, especially when under temptation, to the requirements of the law of honor. In cases of conscitation, sed occasionally under other circumstances, a remark may be eads which cander and benor forbid, or on the other hand, that may not be said which candor and honor demand should be. It is indeed reasonable to surpless that the occurrence of such or similar cases in the just is what led to the establishment of the code of ethics. That any direct erris have resulted from its adoption, I have not be learn. Its ovident arm succentily stated, is to secure that courtery designable in all busines intercourse, and especially so in that between mossbors of the same levilherhood. It would seem rational to expect that the effect upon his musding with the brotherhood would exert more or loss of a contraining influence upon any one disposed to disregard the requirements of the code; not to be thus influenced would imply either a loss of s. If respect or of respect for the body of which the party might be a member; all the objections brought against it I can but think are outweighed by this restraining influence.

I heartily inforce the scritiment expressed in the address of any respected profession, that "An enlightened consciouse and the Golden Rule, that germ and fruings alike of all true theology, will displace and stand for above all human instruments for the regulation and guidance of professional intercourse and conduct. The fear is that even among doctors, not every one has quite attained that neight of moral elevation, but, to quote again from the same address, "Our profession, like all others, contains the worthy and the quantity." So long as that shall be true, the maintenance of some code would own to be advisable. Of course, emergencies may occur where the parameters have of humanity requires action on the part of the physician, and which it would be wrong not to hood. With this qualification, both my conscience and my judgment lead use to recken myself among the advocates of a code of others.

During the year just passing, as in other years, death has caused some names to be stricken from our list; among its victims was a former president of our Society. Iff these whose professional histories deserve not to be soon forgother, memory may be expected in due lime.

The President then announced the following countition:

On Unjusted Browns

F. J. Fox, M.D. F. E. Boskwith, M.D. J. F. Caler, M.D.

On Fronts Render

M. Storre, M. D. L. B. Almy, M. D. F. N. Braman, M. D.

On Thursday.

S. B. St. John, M.D., eraskov, B. G. Hosse, M.D. H. S. Goodsen, M.D.

On Housey Musica and Degree.

Wie H. Marker, M.D. J. La Pierre 31.10 Geo, Clary, M.D.

debing Committee

W. W. Foster, M.D. J. (Husters, M.1).

To Norman English.

W. C. Wile, M.D. Wm. G. Broscason, M.D.

De Limitely of New Haven, moved that a committee of three be appointed by the President to confor with a committee from the

Corporation of Yale College to recommend such notion as might seem expedient, with the view of disordying the connection new existing between this Society and the Medical Department of Yale College.

The motion passed and the President appointed as that comments. Des. P. L. Drissman, M. C. Watte, and Orlando Brown.

This committee interceptently reported as follows:

The committee appointed to confer with the committee appointed by the Posselent and Fellows of Yale College, would report that Hon. Mr. Kingsbury presented the following certificate of the action of the comporation of Yale College, vir.:

At a meeting of the Persident and Pellows of Vale College, held. April 55, 1884, Mesors. Mason Young and F. J. Kingsbury, a committer on the affairs of the Medical Institution of Vale College, were charged with the additional duty of prosecuting inquiries as to the legal status of the Medical Institution, and of contenting on this subject, if they think advisable, with the State Medical Secrety.

At a subsequent meeting, held May 16, 1884, it was toted that the same committee he sankreased to agree with the State Medical Society for a dissolution of the agreement between the President and Follows of Yale College and said Society, if apon conference with the said

Society they deem it advisable to do so.

A true contact from the records,

Attest.

PRANKLIN B. DENTER, Secretary of Tale Galley.

And after careful consideration of the relations of the Medical Department of Yale College to the Connecticut Medical Society, they are of the opinion that the articles of agreement adopted in 1910 and all interquent modifications should now be assessed. They, therefore, reconnectical the adoption of the following resolution, viz:—

Breshed. That the President and Pelisers of the Connecticut Medical Society desire to caucal and armal the articles of agreement between them used the President and Pelisers of Take College, set both in the age of the Legislature of the State of Connecticut cutified "An Art.in addition to and alternation of an ast entitled 'An Art to Incorporate the Medical Society," passed at the fectober emion of 1818, and any subsequent modifications thereof, and they hereby authorize the President, because and once thereof, and they bereby authorize the President, secretary, and Treasurer of the Connecticut Medical Society to execute all such pages as may be requisite to obtain that sud, it being understood that such separation shall be without population to any vested interest, centract, or endowment of the College; and that any presignatives heretofore passessed by the Connecticut Medical Society shall rewest to the mane.

F. L. DICKINSON, M. C. WHITE, ORLANDO BROWN, Dr. White, who presented the report, also said that the committee were of apinion that same serious of the charter of the Society neight be necessary in time of such a radical change as that suggested by the resolution, but that the committee did not wish to suggest any action trafit the resolution had been considered.

Upon invitation, the first F. J. Kingsbury addressed the meeting regarding the sesolation. He said that within a short time extensive and important changes had been made in the course of instruction in the Medical School, entailing much extra expense, and pendering it necessary to draw spen the general famile, and that objections had been made by prospective contributors to the general fixed to the fact that the tumery green to the College might be, in this way, purtly set of the central of the College. The old minus of College School and State Society was no larger useful and had become embarrating. He arged the terminers of the Society to acquaint themselves with what lead been done to raise the standard of schooling at the Medical School within the past there years.

The resolution as above was then sdepred.

It being understood that some action of the State Legislature would be recovery in order to consumuate the dissolution of the bond existing between the State Medical Society and the Medical Department of Yaio College—on motion of Dr. Chamberlain it was road that the President appoint a committee of one from each county to research the revision of the charter as suggested by the report of Dr. Whote, and to report at a special meeting before the meeting of the Legislature.

The President appointed as the committee

Drs. F. S. Dickinson, Polland County.

M. C. White, New Havon County.

ties L. Porter, Fautfold County.

C. J. Fox, Windham County

R. S. Goodwin, Litchfield County.

F. N. Braman, New London County.

F. D. Rigerton, Middlesex Courts.

C. W. Chamberlain, Harriord County,

A room was then taken for obetion of Normation Committee. The Fellows reported the following names:

Seth Hill, M.D., Pairfield County.

C. J. Fox. M.D., Windham County.

W. R. Bartlett, M.D., New Haven County.

R. S. Goodwin, M. D. Litchfield County.

L. B. Almy, M.D. New London County.

M. Storm, M.D., Hartford County.

F. D. Edgerton, M.D., Middlenex County.

C. F. Sunner, M.D., Telland County.

The committee appointed by the last convention to inquire into the logal status of the Society, reported through Dr. W. H. Curmall, that the subject had been throughly investigated, and legal opinious obtained, and that the committee were of opinion than the legal status was not to be questioned. To support of this opinion. Dr. Carmali read the opinion of Hon. Sincern E. Baldwin as follows:—

69 CHURCH STREET, NEW HATER, COST., Jun. 2, 1884.

Dr. W. H. Cament,

My Door Sec.—In my opinion, Sec. 6 of the Act to incorporate the Medical department of Yale College, approved March 5, 1879, and published in volume 8 of the Special Laws of Connecticut, p. 239, sloss not in anyway affect the corporate unistance of the Connecticut Medical Society. It purports to repeal the act smarked —An Act to Incorporate the Connecticut Medical Society and to establish the Medical Institution of Yale College, and all Acts in addition to small in alteration thereof." The quotation marks in Sec. 6 might seem to indicate that there were two sets to be repealed, one an act to incorporate the Connecticut Medical Society, and the other on set to establish the Medical Institution of Yale College, but the language of repeal extens to the det extitled in both these ways.

In 18th (Private Laws, vol. 1, p. 918) as set was passed scritted, "An Act to incorporate the Convertices Medical Society," but no Act to be found entitled samply "An Act to establish the Medical Institution of Yale College."

This led me to think that there might be a "bet placet" somewhere in the shape of an Act having the double title referred to in Sec. 6; and a search through the around session laws prior to 1834 gave use a close by which I have at last dag it out.

The Connection Medical Society was first incorporated under that name in 1825." The Art was never peinted with the laws but I have promited a manuscript copy from the State records. Its finite is "An Art to incorporate the Connection Medical Society and to establish the Medical Institution of Yule College." "An Art in addition to and alteration of "it in 1827 (Sension laws of 1827, page 225–216), and "An Art in alteration of"

FTER Act of 1825, which has noted been planted; will be found in appendix " a."

the latter Act is 1802. These three anemalatory Acts left matters as arived that is 1831 the new and separate "Act to incorporate the Communicat Medical Society" was passed, and another "Act in relation to the Medical Institution of Valo Pollege." Sec. 8 of each of three chatters repealed the Act of 1825, and all additions to and alterations of 16 in proceedy the language employed in the Act of 1825, Sec. 6.

The draftman of the Act of 1879 weldently copied this language from the Acts of 1838, without knowing exactly what it mesat. But it did mean, in law, the repeal of the Act of 1833 and all its subsidiary Acts.

True, these Acts had been repealed in 1834. This made Section 6 of the Act of 1670 magatory, because useders, but it cannot, in any opinion, have the effect of making it repeal any other Acts, since no other Acts are uptly described as being repealed, white the Act of 1825 unit to ensidinary Acts are thus aptly described.

The provisions of the preceding sections of the Act of 1879, which obviously contemplate the continued existence of the Society, are also plainly innerstatest with any construction of Section 6, by which is could be applied to the Act of 1836.

I think, therefore, that the Connecticut Medical Society is an existing corporation with all the powers it possessed prior to the Act of 1973

Yours Indy.

SIMBON E. BALDWIN.

The report was received and the committee ducharged

The Committee on Unturbed Barrens reported upon Amendments to the By-Laws, proposed at the last Convention, as follows:

Knowley on the following: "All remarks unde in the discussion of any subject shall be committed to uniting by the person making them, either before or immediately after they are made. The Secretary shall provide simultie tablets in this cap mise of the Society, for this purpose. This was, after much discussion, amended by saterting the word "orientitic" before the word "subject," and changing "shall" to "may "and in this form it was possed.

Forceastly on the following: "No vocatary paper shall be putlished which has not been results force also County Medical Assistant, and recommended by them." The provoked much opposition now claiming that it would cause the rejection of valuable papers. De Chamberlanz stated that the object was to refer the Publication Committee of the responsibility of selecting the papers to be published. The subject was finally last on the table in motion of Dr. Chamberlana. Finnestly on the amendment that "each County Society stall appoint one of the Petlons elected to serve us a member of the Nominating Committee, and another as his alternate to set in his absence only." This amendment was passed

Floroidly on the amendment to make the office of Secretary permanent, and to pay the Secretary \$50, and the Pressurer \$25 per annum. This amendment was then alouted.

Universally upon the amountment increasing the number of Fellows, as it was found to condict with Section 3 of the Society's Charter.

The Committee's report was adopted, and the Committee discharged.

In regard to making the ex-Presidents permanent Fellows, there being technical objections to the form of the amendment proposed last year, Dr. Chamberlain proposed the following: "That all the ex-Presidents be incorporated into an advisory Committee to be Follows as offices, the dates of this Committee to be morganic hereafter." This was faid over for action rest year.

Dr. Wile reported that the Committee appeared by the last Annual Convention to draft, engross, and frame respiritors expressing to the retiring Secretary the appreciation of his services entertained by the Society had performed the duty assigned them and showed a photograph representing their work. Report amosted.

Vistal, on motion of Dr. Chambermin, that the expediency of more committees on special subjects be referred, to the Committees on Unfinished Davisses for next year.

Vistol, That the arrival has of \$2 payable on and after June 1, 1834, be assumed on each member of the Society—also that 700 copies of the Proceedings to published

On motion of the White, it was voted that 1040 copes of the early Presentings of the Society, down to 1810, be published for distribution among the normbers.

The motion was made that the Society most every third year at Bridgepore, but after some discussion was voted down, in was also a motion that the Society most errory year at Hartford.

The Nominating Committee presented the following list of officers, and the Secretary was instructed to cast the vote of the Society for them. Position B. N. Comings, of New Britain, Visc-President. E. C. Kinney, New Friam. Treasurer, E. P. Swaney, New Britain, Secretary, S. B. St. John, Hartford.

N. E. Wordin, J. H. Grannis, E. A. 1101

Country on Proposition

F. D. Edgerten, H. W. Breil, Lewis Barner,

Consiller to Assessable Professor on the Moderal Department of Yale United.

C. W. Chamberlain, G. L. Poeter,

Communic to Aleminer Physician is the Bernar for the France, R. S. Goodwin, Lowell Hollinson.

> Committee of Publishina, 1. W. Lyon, Secretary and Tressurer (or opine).

M. Storn: W. M. Hudou, J. Campbill.

W. H. Holmes.

Alveren F. B. Brekwith

Delgaster & American Minhael Association

T. M. Hills, L. S. Parklock, W. H. Mather, C. A. Lindsley, A. E. Adams, J. Bidwell, Bufus Baker, C. F. Sunner, H. G. Hony.

Diagram to Maine Hadring Association W. W. Fenner, W. H. Hadrine,

Delegate in New Hompshore Medical Association.

V. S. Crasshold, Groupe Clary.

Jedepater to Verment Medical Associations J. R. Aliny, A. T. Douglass. Delayers to Manachanan Molital Americans.

B. W. Manoon, C. W. Carlton.

Distinguish to Black Island Material Accountation.

W. A. Lockwood, Y. G. Wright.

Integrate to New Jewey Medical Association

A. H. Chundoll, J. B. Keal.

A. M. Harthart, W. J. Beach.

Dr. E. P. Stratery than presented the Treasurer's Report, of which the following is an abstract:

Salance from old account,	8918.15
Received during dical year.	791.20
Yoral,	\$1.420.33
Expenditures,	718 43
Balance in Treasury May, 1884.	(82.92
Jacrosse of receipts over 1852,	159.22
Incresse of expendingree over 1882,	324,65
Excess of receipts over expenses.	14.77
Excess over balance of list year.	11/77

Amount his on Figure of 1882.

The state of Astron. Application of Taker.	
Hartfeel County.	Nothing.
Painteld County.	
Windham County,	0
Tolland County,	
Middlesex County,	0
New Haven County	S28.94
New Landon County.	500
Lindsfels County	44.40
	\$18.20

The increased expenses have been largely due to the resplayment of legal council to determine the regal status of the Society, tavolting an expense of \$106. Also there has been as arranged expenditure in the engraving and frating of the Resolution pemuted to the returning Secretary. The excess of receipts is explained partly by the fall that centain counties have contributed largely toward the expense to be incurred in printing the surily transactions. Harrison County having sent in \$100 of which \$50 was contributed by Dr. G. W. Brossil, and New Haven having cont \$50 (of which about one-fifth was contributed by Dr. M. C. White, who took the matter in charge). The further excess of records is due to faithful collecting by the County Clarks.

It is certainly very gratifying to find five counties entirely free from arranges, and the other three with so hitle to collect.

The Pressurer's Report was reternal to the Audition, who declared in to be correct. The Report of the Auditing Committee was received and the Committee discharged.

The Committee on Councy Besolves reported that they had received a copy of the proceedings of the New Haven County Medical Society, against E. L. Thomson of New Haven, a member of this Society, charging him with the practice of criminal abortion and also a resolution of expulsion. They find on investigation, that the action of the New Haven Society has been in accordance with the By-Lawe of the Society (Chapter iv. Section 7), and that the account in sustained by the logal processes but unit by the contact of the account in forfeiting his bonds. They therefore recommonifel that the expulsion of Dr. E. L. Thomson be approved by this society. The report was accepted and the recommendation adopted.

The Committee on Honorary Members and Degree reported the names of Drs. M. H. Henry of New York, and W. T. Hutchisson of Providence, R. L., to be Honorary Members.

According to the By-Laws these names come up for articu next reat.

Des. T. A. Emusea of New York and Jan E. Rossen of Whiteling, West Virginia, who note eccommunited by the Committee last year, were unanusously elected Hamoury Members.

On motion of Dr. Chumberlain, it was

U.o.o., That the report of the Committee on Examination, and the report of the Committee to Nominate Professor in Tale Medical School, and the report of the Committee on New Romedies, be referred to the Secretary.

The Convention then adjourned to steet the troub. Weinesday as May, 1885, at Hartford, or when called to a special session by the President.

THE ANNUAL CONVENTION.

PHURROST, May 25th.

The second day's exercises began promptly at 9 o'clock, with the papers of the Secretary, as follows:

SEVENTANT'S EXPERT.

The just year his been one of hemony and prosperity. Though it opened under a cloud, the very existence of the Society trembling, as it were, in the balance, the cloud has passed away and we feel that we have regained the metaphysical starting-point—the consciousness of existence.

We have received more than the usual accession to our numters, 43 new members being reported, of whom Fairfield County sends 11, New Haven 10, Latchfield 6, Harriord 6, New London 5, Windham 4, Middlesex 1, Tolland 9.

There have been only four deaths. Prominent among those in the name of Dr. P. A. Jewest of New Haven, an ex-President of the Society, and an active, untiring worker in its behalf through many critical persons. Drs. Baldwin of Danbury, first-dages of Berlin, and DaBois of New Haven, were all honored members who had pessed the mendian of life. The Society has also to mourn the loss of two of its most distinguished honorary members, Dr. J. Mariou Sims and Dr. Willard Parker. Five removals from the State are reported, and one expulsion for criminal practices, leaving our membership at present \$81—a net gain of 21.

The following is the list of the new members, with residence, place, and date of graduation:

Frank H. Wheeler, New Haven, 1882, Yule Medical College Samuel W. Williston, New Haven, 1880, Yule Medical College Charles T. Baldwin, Ermingham, 1883, Bellevus Medical College, New York.

Herbert E. Smith, New Haven, 1882, University of Pennsylvania, J. M. Benedict, Waterbury, 1882, University of New York, W. C. Welch, Ansonia, 1877, Vale Medical College, Edward W. Smith, Meriden, 1882, McGill Medical College Prink B. Tuttle, Naugattick, 1863, Yale Medical College, Benjamin L. Lambert, New Haven, 1883, University of New York. Clarence L. Pitch, New Haven, 1881, Dartmenth Medical College, W. P. Statson, Norwick, 1889, College of Physicians and Sur-

prome New York.

G. M. Banson, Norwich, 1875, College of Physicians and Surgeons, New York.

Karl Mathewson, Uncasville, 1876, College of Physicians and Surgeons, New York.

W. T. Brown, Linbon, 1881, Harvard.

F. J. Beckwith, New London, 1882, Harvard

Henry S. Otis, Hartford, 1881, Harvard.

George Learny, Turid'ville, 1875, National Medical Cellege.

E. B. Thompson, Hartford, 1881, University of New York.

C. D. Alton, Hartfred, 1875, Belleyne Medical College.

Oliver C. Smith, Hartford, 1853, Long Island Hospital College.

L. M. Cremin, New Britain, 1881, University of New York.

A. A. Holmos, Bridgeport, 1868, Harvard.

W. B. Cogeneil, Stratford, 1881, Bellerna Medical College.

Jacob May, West Stratford, 1876, Blast, College Chroage.

William H. Andrews, Brookfield, 1882, University of New York, Charles C. Godfrey, Bridgeport, 1881, Dartmurch Medical College.

E. E. Snow, Danbury, 1874, Jofferson Medical College.

Peter H. Lynch, Danbury, 1882, University of Vermott.

Edward M. Smith, Darbury, 1887, College of Physicians and Surgeons, New York.

George A. Gilbert, Danlerry, 1882 College of Physicians and Surgeons New York:

August Stratton, Dunbury, 1883, University of New York.

E. M. Beardsley, Moneue, 1845. Yale Medical College.

Charles N. Allen, Moosup, 1881, Burlingson,

Fred. W. Chapin, Poinfret. 1882, University of New York.

T. R. Parker, Williamntic, 1889, University of New York.

N. W. Sanborn, Central Village, 1886, Dartmouth.

- " " 1881, University of New York.

W. H. Brinley, Roxbury, 1881. Yale Medical College.

C. S. Brower, West Corawall, 1886, College of Physicians and Surgoons, Baltimore.

Engene C. Posnen, Watertown, 1887, Ann Arbor, Mich.

T. Moredith Maxwell, Litchfield, 1875, University of New York.

William L. Platz, Torrington, 1881, Callege of Physicians and Surgeons, New York. Henry S. Noble, Middlenown, 1871, Cellege of Physicians and Surgeons, New York.

Arting under the interactions of the last Annual Convention, your Secretary sent to each atender of Congress from this State a copy of the resolutions passest at the Convention relative to the recountry of proceeding a fire-proof limiting in Washington for the procedure of the Army Medical Moscom and Library of the Surgeon-General's office, and to received from each of our Representatives and Senators assurances that the project met with their cordial approval. Since they a 100 has been introduced to effect this object, and it will probably poss.

In accordance with the metroctions of the last Annual Convention, your Secretary memorialised the Legislature to pass a law requiring that all patent and proprietary modifices sold in this State should have the working formula by which they are made plainly printed on the label.

Circulars were sent to the profession asking for testimeny to the danger of allowing the free circulation in the community of sociaing syrups, were knowing, etc., containing possesses ingredients, and many responses were made showing that dangerous sorditions and even death had followed their use. This testimeny was laid a before the Justiciary Commutes of the Legislature, and in presenting it and arguing the advisability of the law the Secretary had the able assistance of Dr. Burke of South Norwalk. The full was adversely reported by the committee mainly upon the granted of injustice resulting to druggets who had large stocks of those medicines on hand, and not, so far as readd to learned, from any diabeted in the danger allohed to.

At the last Annual Convention the Secretary was instructed by our resolution to print the Transactions and Proceedings of this Society for the first recenty-dive years of its existence and distribute the same to the ansabers. By exceller resolution, a few minutes later, he was directed to correspond with the secretaries of the county societies with regard to publishing the hierary papers and transactions of the Secrety of the early years up to 1870, and to learn if the county societies would share the expense of the minoand report the answers to this Convention. Internals as the first resolution referred to the transactions of twenty-five years, and the second to thirty-eight years, and we it was not clear from the payment was to be provided for, will the present meeting, when the answers from the various county secretar should be heart, it was decided, upon comultation with several members that it was best not to publish mything believ the present meeting his to average the material and get the printers estimate. This conmate is for the Records of the Proceedings, that of officers, etc., about \$240. If we add to this men papers not incorporated with the proceedings, but which were published separately by the Society, and which are of interest the expense is increased to about \$100.

Hartford County Society has piologist to contribute \$100, one half of which was the contribution of one member. Dr. White of New Haven, who was charged with the responsibility of collecting the New Haven County contribution, writes that we may count on \$100 from there. Fairfield County Society, at the Spring moeting, voted \$25, so that we are said of \$723. The other county societies have not been definitely heard from an this point, except that the Scoretary lim verbal assumance, in some cases, that they are ready to contribute their abare. In view of these statements, under before the meeting of Fellows yesterday, the Secretary was then instructed to print 1,000 copies for distribution.

The Tressurer's Report compares very favorably with that of the past year. Fire essisting report in arrestrages for does of 1983, and the total for the remaining three counties is \$48.20. The County Corks are estitled to the thanks of the Society for their labors in this direction.

The Persident-elect not having arrived. Vice Provident Seth Hill was called to the Chair while the Provident rend the Annual Address. Subject, "The Medical Professors, and its claims to the Respect and Granuale of the Community."

The Committee on matters of Professional Interest, reported briefly through the Chairman, W. C. Wile, and presented some interesting cases which some reduced without reading to the Committee of Publication.

Drs. English of New Jersey: Burdette and Richardson of Mass. Huntington of Vermont: Bammend of New Hampshire; Schwarze and Smith of Rhade Island, delegates from the Medical Societies of their respective states, presented their restentials and were received by the Society. Most of them respected expressing their gratification at meeting with an and their loops that our delegates would be able to meet with them.

Dr. N. E. Wordin of Bridgeport, read an elaborate and whole aris Dissertation on a The Germ Theory of Dismits."

Dr. W. If Carnelt of New Haven, gave the history of two interesting surgical cases one of Stone in the bladder, treated by litholapaxy—the other of Fracture of parella, treated by wiring the fragments together. He also showed two patients, one of whom had been operated on to relieve delicently coulding from hip-joint disease; the other had submitted to the removal of half of the tengue for malignant disease. These cases will be found sionaled further on.

Dr. Beckwith referred to a case of informing insering patch of the laboro—illustrating his remarks with a infored drawing by Dr. Leighton. Dr. Beckwith also read a latter-from Dr. Fordyee Barker of New York, relative to the Sins Memorial Fund, and called the attention of the Society to the automption paper disculating among the profession in Connecticut.

Dr. R. W. Mathewson of Durham, read at Emp entitled Must case Force Vicans Aug.

Dr. G. W. Harris of Old Lyme, read an Emay on STRAMOUA-

Dr. F. M. Wilson of Bridgeport, read an Essay entitled Sersays Figs Cases or Consequencems—classified and labellated.

Dr. Geo. H. Pankard of Hartford, read an Essay on Tax Kanta-Diagnosis and Taxatagar or Port's Diagnosis of the Spine.

Dr. Ambrose Bourdsby reed on Hosey on Malastat Diseases, extra without Quisses.

The following papers were then read by title, and referred to the Committee on Publication

Likeniny of Diphtheria, Dr. Lewis Harnes, Oxford,

Summer Health Reserva, Dr. S. D. Gilbert, Fair Haven.

House Brainings, Dr. & W. Leighson, New Haren.

Pattorogical Significance of Air in the Blood-Vessels, Dr. M. C. White, New Haven

Case of Erysipelus following fresh bites, and complicated with suppression of Urine, Dr. G. W. Asvey, Hartford.

Case of Gloris Reliace, Dr. W. T. Bucca, Hartford

Case of Pentyphilits, Dr. A. E. Abrams, Hartford.

Citmate of Calriorum, Dr. A. Shew, Modiflotown

Thrombous and Embours, as sequels of Typhood and Adynamic ferent. Dr. J. G. Porter, New London.

Woman and her Bot in Partnerson, Dr. K. F. Coats, Mystic Bridge.

The Committee to Nominate Reserves reported the following names:

P. W. Chamberlain, Hartford County.

T. H. Whitmone, New Haven

J. J. Berry, Painteld .

A. T. Douglas, New London -

C. J. Fox, Windham

O. Brown, Litelifield "

G. W. Burke, Middlessex "

A. R. Goodrich, Tolland

The Society then adjustmed for the annual distance at the Athe-

S. B. St. DUIN, Sensony

PRESIDENT'S ADDRESS.

Although during the pain year, doubt his invested our ranks, and taken from its sense who, when living, shreed in the labors and contributed to the horors pertaining to our order, I congratuate you on the good Providence than permits so many and under not beyond a communication to account at this our sinus-bettored around gathering.

For a little time I savin your attrition to more thoughts on the action profession and its claims to the expert and profit of the comments.

Of the multiform status essential to the well-being and progress of burian societs a broad and obvious distinction exists between those involving mainly moscular or nacination later, and those of professional life. Whole the one class is pursuing their recution are thereby error likely to secure a leadily physical condition, the other, in addition to exactions made on the students and necross systems, art under the weight of a grave responsibility and of labor largely intellectual and on that account more examining.

Of the three so-called learned processions, that of medicine involves many anneywares and discouragements possible to it. White the practise and the larger always have among their auditions those who are rapable of properly estimating the ment of their performances, it is not so with the destor. In work is to the privacy of the sick mere, and implies both in its nature and possible results a weight of responsibility not involved in most other persents; strong the possibilities may be incidentally mentioned than of invaring consume, however juliciously be may perform the duty, from the ignorance of the consors. Every physician in the comme of his processional career encounters very many cases of

so grave a sature as to reader the issue doubtful, and where the life of his patient is for the time entrusted to his keeping, and the preservation of which is of immeasurable supertance to his or her family, as the case may be, and perhaps to the constructly as well. A pust approximation of the position is which he finds himself must be ascessarily more or less depressing, and for which a fee however liberal must be a very intelequate compensation.

Such is the nature of his calling that, when most exhausted from excessive labors preferred during associable hours, he is for obvious reasons, more likely to be called at night, and benes deprived of the recuperative influence of what Stakepeare not imptly calls - nature's soft nurse "—aloop: this, too whether in sanshine to storms, and when no other compensation can be expected than the consciousness of having relieved binson out foring, and perhaps saved a human life.

The accessarily irregular calls for his services preclude to a large extent the possibility of systematizing either his time or his labors, and are among the aimoyances performing to his calling, and from which those jurising the other professions are for the most part exempt.

But there is a brighter sude to the picture. Called, as he is daily, to see the operation of natural laws upon the bunan organon, he is necessarily a student of Nature, a student in a field of mealculable interest and reportance to the medical man, to view of his relation to the commonute; a field which, while it formshow in struction, is at the same time interesting and elevating, and be whoexplores if the most thoroughly is on that account the honor qualified to cope with and to misdeo disease. Those branches which may be considered collateral, a knowledge of which is, in a degree at least, essential to a proper medical education, often thomes for profitable study and reflection aside from their strictly medical relations. In the 200,000 different species of plants which, according to the estimate of Humbolik, are to be found on our globe, the betanical student not only explores a department of the works of the Creater pre-eminent for beauty and variety, but discovers relationships not before dreamed of: a department, but for which, animal life could not be maintained; while from the same source, the medical betanist finds that many of the most potent and useful medicaments are derived, and that without them, his power over disease would be seriously curtailed.

Through the mineral kingdom, and especially through chemictry, our materia usolica is vanity excished, and offers interesting as well as profitable fields for investigation; familiarity with these departments is equally important in view of their medical relations.

Having thus briefly gianced at the darker and brighter side of

medical life, I proceed to another branch of my theme

It may be afferred without hesitation that no class of the human family furnishes a lineary in all respects more honorable or which affords stronger grounds on which to base a claim for its gratinade. than that of the medical perfession, for though at the cost of meatal and physical fatigue, they are expected to be, and usually are, ever ready to respond to the call of suffering humanity; and for from one-fourth to one-third of the service thus rendered, they receive no perimitary compensation. Whenever communities have been invaded by dealily spidenize there have been physicians ready to alandon their house and their humnes and fly to their relief; and this too sor rarely at the ascrifice of their lives. So it has been from the time of Hipporntes who ishared for the rebelof plague-stricken Athens, more than two thousand years ago, form to the present time. The claims here made find supple confirmation in the history of the epidemies which, a few years since, invaded some of the cities of our Southern States. While this pearlical sympathy, to the henor of our race be it said, was not limited to the profession, it is ascentistess true that the duties ther assumed were the most trying and most responsible. Ther voluntarily assumed a danger from which many living in the cities invaded and not prostrated by the pescience made their escape, If the be not a grantical exhibition of plainthropy and berosm, in the nobler score of the torm. I know not what is

The part which the profession has beene in the promotion of the various because enterprises of modern times, justly entitles it to no small share of respect and gratitude.

Mainly through the influence of the medical profession within a comparatively few years, institutions for the training and slovation of that most unfortunate and frequently vicious portion of our race, the infection, have been established in several of our states. Through the mental and moral training afforded by those institutions, many who would otherwise be a further if not a past to security, have been so far circuited as to be competent to care for themselves, and in their sphere become perhaps useful members of somety.

Another and much more unmersion class of infortunates, the insans poor, afford an illustrices example of the more enlightened views prevalent among the reforms that characteries the present Within the memory of many new firing, nearly if not quite every alms-house in our State, and other States as well, contained one or more of this class confined in cages, not unfrequently in chains, and receiving a treatment better belitting wild been than forman beings; a treatment that but for an influence upon public continuent originated primarily and chiefly by the medical profession might have been continued to the present day. A charge in the treatment of this unfortimate class, which not only accures physical comfort to them, but restores the reason of thousands who under the old order of things would be through it's mental wpecks, is, of itself, enough to render our age an over memorable one and justly-entitles those who have been indicated in bringing it about to both inner and grantfule. Not should it be forgotten that the relatively large sumber of sures effected in these cases results not only from a more humane general treatment, but year much from the skill of those who have the professional care of them. and who are, of course medical men

In every community, strage or civilized, comparatively few families have escaped the tree resulting from the intrasion of their strates by the demon intemperature the rictime not unfrequently being those who, from natural sudemanns or unitage, so both, tright have been useful resultant of molecty. Within a few years, mainly through the influence of molecul tree, anyhous for the testoration of such cases have been numblished, and, although hitherto with but partial success, enough his been accomplished to command the respect and gratitude of every good citizes, and to justify the prediction that, with a larger experience and improved modes of treatment, a larger success will be attained. Certain it is, I think that neither reason new philanthropy will allow that an enterprise of such transcendent importance shall targuish for the tack of more efficient support than it has yet received.

Cases of criminal malpearties: secret possioning, and similar crimes, are in these days so numerous as to seempy much of the time of our criminal courts. The question of guilt or associance in these cases depends mainly upon the result of investigations used by medical over, and through them many bundreds suffer the penalty which justice demands, which they would have escaped but for such investigations. The biology of forensic medicine furnishes striking evidence of the great obligations society is under to the profession, both as to protection against unjust crimmation, and in establishing evidence of guilt when innocence is pleaded.

Unfortunately, in not a few cases, the question of surcourse or guilt is not of easy solution, and hence allestess defec. When me eminent a lawyer so Lord Erskine acknowledges that he questioned a men who was really insure for nearly a day without developing the least evidence of his mental condition, it is not strange that it should be so. That, from the difficulty here surgested, many have been unjustly executed in beyond question. Against the occurrence of events so much to be depleted, obsiously about our only safeguard is the medical profession, and the safeguard is the more reliable as the science of medicine is advanced.

While it is not to be demed that, in past ages especially, much in the treatment of disease has been the suggestion of mere supersection, and that, only about two sesturies since, a king of England, in his last sickness, "half forced into his mouth a loathsome volatile salt extracted from human shulls," comidering how little was, or indeed, is known of morbife matter acting on the inscratable something we call the vital principle, it is not strange that a should have been so. Still, more than two thousand years ago bred he who is called the father of physic, Hippocrates, who spent his life in studying diseases by closely observing their various pinses, and deducing methil leavins, and, as a consequence, improved modes of treatment thereform. Among his disciples from that day to the present, there have not been wanting able, thingues, and patient investigations of discuses, leading sometimes. perhaps, to erroseous riews as to their pathology, yet resulting in more mescaful modes of treating them, as statistics bearing on the question abundantly show. For example, in a report on the vital statistics of Europe in the latter part of the einteenth contury, the average duration of human life was only eighteen years; one-half of the population died under the age of twelve years; from a report at about the middle of the present century the average duration of life was forty-three and seven-tenths years. Heturns from the city of London, made about a century and a half sizes, showed that about sixty per cent of the shidren died before attaining their fifth year, a century later the percentage was reduced to somewhere between thirty and thirty-five. In the city of General at the sixteenth century one in twenty-five died annually; in the abselventh, one in forty-six. Out of the same population in Great Britain from accentage hundred and twenty to seventeen hundred and thirty, there died one thousand and sixty-eight, from eighteen hundred and fifteen to eighteen hundred and twenty the number was six hundred and twenty there. There is little reason to doubt that at the present time the rate is still less, nor that similar statistics of our own country, if nor had then, would show an equally diminishing death rate.

But valuable and important as have been the advances in the treatment of disease in part ages, it is, in times comparatively recent that discoveries have been made which challenge the admiration and gratitude of the civilized world. For a thousand yearsprior to the latter part of the past century, populars places had been subject to frequent visitations of death-dealing epidensics of small pox, when Edward Jenner happiny discovered that vaccination was an effectual protection against this most lostbooms disemer-so effectual, indeed, that were it practicable to make fully available its protective power, a would well-nigh banish the oldtime scourge from the earth, and as it is, it has rendered the disease of comparatively mre occurrence and but little to be dreaded. It is no hyperbole to assert that it is impossible, adequately, to estimale the magnitude of this boso to humanity. It certainly includes the remark of Curier, that "If vaccination were the only distanery of the spech, it would serve to render it illustraces foremen."

Only less important is the more recent discovery that chloroform and sulphuric other when inhaled, produce complete anosthesis. That further investigation will increase the list of articles of the materia medica possessing this valuable property is not improbable. While this property of the articles mentioned contributes increase unably to the diministion of human suffering, it on that account is to a degree carative also. By means of this, combined with that other recent advance in treating busins allocate, unlimptic medication in cases requiring serious surgical operations, bursheds of lives are and will continue to be saved, which would not be, under the old modes of treatment.

Although in this country candidates for medical degrees are very properly required to pass an examination in the various branches embraced in a medical education including surgery, jet by a law of our nature, most persons have a natural or acquired aparticle for labor in particular directions, hence both the science and practice of medicine have been more rapidly advanced by individual investigators, making particular diseases the subject of special study, notwithstanding what has been or may be said against specialists. The Roman maxim non-turner promises covers is an applicable to medicine as to labor in all other departments of arisence or the arts.

The investigations of recent times reader is exceedingly probathe that many of our prevalent diseases have their origin in specific germs; that even articles which find their way pursur tables are sometimes the media through which these germ are distributed through the community. It has long been a prevalent belief that preventable deaths are occurring in all communities some estimating them as high as ten per cent. The recognition of these facts implies an important duty on the part of the medical profeeding, and has led to increased attention being given to hygiene, both public and private. Indeed, what has already been areomplished in this department, while it justifies the claim for gratitude on the part of the public, warrants the belief and prediction that homen life will be rafer and consequently worth more by the diminished prevalunce of the whole class of symptic diseases through the labors of instical ners. Quite surv I am that they will not be found recreant to the discharge of so important a duty, in the time to coust.

Again, for reasons other than those based on the discharge of duties strictly professional, it may be observed that our profession deserves well of the community. They are active and influential patrons and supporters of estimational enterprises, always to be found on the side of law and coder, initially promoters of reformatory answersests, and if not active supporters of, rarely homle to religious efforts and religious organizations upon which the well being of society as largely depends. The public are largely indebted to a former boroned but now decreased measure of our Society for a work promotive of that methal branch of knowledge, too much reglected in our systems of popular education, human physiology.

So many and important have been the advances in the arts and sciences that the present century will over be a momerable one in the history of human progress. It is no more than a just claim, that the medical profession has contributed its share toward making it so.

With a more copious motical literature, and the more definite puthology and higher order of instruction so our medical schools which characterize these latter days, the claims of the profession in the respect of the community are increased. As tending to moure this respect, and as a duty we owe the profession, no apology. is needed for the suggestion that we should in all suitable ways advocate a higher standard of preliminary adacation on the part of medical matriculates. Although I would not of course claim that the ability to conjugate a Latin or Greek verb is necessary in order to become a good elector, yet the study of these languages tends to the invigoration and discipline of these mental powers which professional studies and practice call into accreine. It also enables one to use his own language with over secured and precision. Again, for olysous reasons, in all the different countries where medicine is prosecuted as a science, it is desirable that medical formula should be expressed in some one common language; by universal consent the Latin has been adopted for this purpose. Still farther, the two languages, Latin and Greek, are, and undenheedly will continue to be, the source whence the technical terms, which progress in the arts and counces makes mecessary, are derived:

Medical diplomas are usually, if not always couched in the Latin language; that those receiving them should be able to interpret them would seemingly be emmently proper.

That some knowledge of chamistry is indispensible in prescribbing is obvious; and some familiarity with botany, if not equally important, is certainly a desirable qualification.

There seems to be an impressees more or less prevalent in many communities that the body of regular physicians are blinded by projudice, and that productional begotry tests them to reject all remedies or modes of treatment originating entesds of their own ranks, this corposition is largely distorted by the army of irregulars. While a reasonable conservation in so important a matter as treating discusses is an obvious duty, to show the groundlessusses of this impression, it is perhaps sufficient to ease the facts, that we are indebted to a Turkish admiral for the original formula for that notici increasial peoplemines, the blue pill; to a New England elergyman for the totale replace as a remody for authors; and to the mutake of a planter's scream for that, in certain cases, very effcent and valuable remedy, the internal apprecious.

Although inclinal adventurers find, in most communities, some who through ignorance prejudice, or fordness for noticity, are easily captured. I believe it is true that she regular profession have, to a large extent, both the request and confidence of the more intelligent portions of these communities. Indeed when we consider the learning, the practical experience and accumulated wisdom of agen embedded in it, it would be strange if it were not so. In cases of reluctance to award this respect, the next best thing is the consciencess of descreting it.

At no age in the bisoury of modicine has its study been more differently or ably presented than at present. Through advances in pathology, the discovery of near thempeutic powers of the older articles of the materia medica, and the addition of new ones thereto, diseases are being more successfully mested than ever below. That these causes will in the fature result in farther achievements in the same direction, cannot be doubted.

While between wars, rebellions, and assessmations, no day passes in which one or more human life is not destroyed by violence rather than by fiscare somewhere on the globe we inhabit, the physician, on the other hand, is employed in matigating human suffering, or saving human lide. Although fiving under the irre-topolde law that all organisms must undergo that change which we call doubt, the medical man, by relieving suffering, and extending the duration of life, is increasing the sum total of the ineffiliest and enjoyment; a noble, and when himomoly pursued, embedding totation. If the presention of his calling involves, as it ineritably must, mental and physical fulliple, constitutes imput consider from ignorant critics and often or much to lament the impotency of his set, he may if faithful in the discharge of the latter, first notice in the reflection that he has performed to mimportant part in promoting the welfare of his race.

REPORT

OF COMMITTEE ON MATTERS OF PROFESSIONAL INTEREST IN THE STATE.

The Committee on Matters of Professional Interest respectfully presents the following reports from County Societies, and cases of interest.

> W C. WILE, N.D., T. A. GRANNISS, M.D., E. C. KINNEY, M.D.

TOLLAND COUNTY.

To DR. W. C. WILE.

Character Committee on Matters of Perferrished Interest.

Data Sur The following communications have been sent to me for your committee.

DR. S. G. BISLEY, Reporter.

EPEDEMBY OF MEDICAL

In answer to your request for contribution to the Connecticut Medical Society, I will state that we have had in this visinity the greatest epidemic of meaders during the past winter that we have had in many years. It was brought here by a transfest person who gave it to others, and very soon it appeared in the selection, on the street, and other public places, until nearly every cluid and adult liable to it had the disease, except in imbances where purents kept their children from contact with infected ones, disregarding the old tradition that every child must have the measles, and the sooner the better. This barbaric idea that children are to layer certain contagious diseases works great harm, and many little innecests lose those their lives annually by bring purposely exposed to the exanthematous couplions of childhood. People should be taught that the above diseases do not generally originate & and, and that inclution of the ack from the well is the important thing.

In Massacinsetts so child is allowed as action who cannot show a certificate from the family physician that the danger of informing the school is post, whether it is the child who has been seek or a well one from a family where contagion existed. As now as I have observed, this regulation is well unforced, backed by the right public sentiment. These are among the dangers foreseen by physicians and the intelligent class, which count for nothing after exposure. There is not a physician in the State but can call to mind cases of criminal cardesenses of the free of the well by the sick or their nurses. The procaution needed is that by which other dangers are avoided. The nuclear sees danger to the shift when taking its limit step to plainly many times the danger than may be larking in the sick mount of a sense of responsibility.

We do not find fatalism so universal here as in the East, but it exists among the ignorant classes: hence the difficulty which we meet in keeping the well from the infloctions sink. These people say if a child is to have another fevor, it will have it, in matter how carefully they try to avoid it. If it's not to have it, it may go into the sink room and escape as enough as Shadrach and Lin companious escaped from the furnace.

One thing is certain, that during an epidemic this belief among a few is liable to make a lively time for the community as well as the physicism.

SETRE-SALOYOMA OF STREET

I will mention a case which may be of interest. Mrs. S. R. died Oct., 1883, of a trunor weighing 22 lbs, having for its politic fibs fundus of the atoms. In its growth it had taken the form of the upper part of the pelvis, and penteriorly there is a depression corresponding to the prominence of the lumber vertebra and promonency of the secrets. It is fibrous, and second in an occous shell, and where it cause in contact posteriorly and below where its weight rested within the run of the pelvis it is very smooth, while its frontal portion is somewhat rough and instituted, and thesely atheout in the peritoneum over a surface of some extent. I have sent it to Prof. M. C. White of Yale Medical College, who placed in among other pathological curiocities. in the College Museum, classifying it, after examination, as an Osteo-Sarcoma or Fibroma. It took its form while in its fibroid or plastic state, and subsequently received its covering of hone, which as perhaps one-half an inch thack in places, entirely covering the timor with a few laminos, radiating towards the center. At the autopey I removed the uteras and ovaries, they seemed quite normal, though the uterus was somewhat elongated. The dention of the growth of the timor was 25 years. Subject aged 57 years; 5 years after discovery of Furnit, had an abortion; the burror then had reached one-half its full growth; mensimmed till 64 years of age. I advised an operation many years ago, but she would not consent to it. Family Indusy good. Her suffering was principally from its weight and the pressure upon surrounding parts, which at last council aphacelus and slongling about the pelvic region and whoma of the limbs.

STARWOOD SPRINGS.

C. B. NEWTON.

A CASE OF OPIUM POISONING SECCESSFULLY TREATED WITH INPUSION OF COPPER.

The peopular and combine administration of the various proparations of option, especially to children, and consequent finishing to frequent serious their new renders the results of experience with autidotos. that are safe, and at the same time efficient, of interest and value.

Soon after it o'clock on the evening of March 31, 1884, a tady decided to give her child, a strong boy two years of age, a dose of Tinet. Ifted as a remedy for a slight diamtora. Instead, she gave by mistake, a dram, at least of Lucdaniero—"more than a small tempoonful," as she expressed it.

After midnight, the discovered the child in a convulder. I was itemediately emmerced, and arrived about a following.

Found the patient is a state of perfect survetion. Respiration gasping, infrequent, and irregular, surface quite cool and moist, pglar quick and almost undersetable, showing the stage of depression had been reached. The pupils were closely contracted and insensible to light, and the naturalar system perfectly related. In a word, he was almost dead.

I first tried flagelistice with a wet towel and then with the bare hand, but without result.

As deplutition was out of the question, I ordered as strong an infusion of coffee as possible to be made, and attaching the female needs to a Davidson syrings, injected a built-full per rectaus. This was retained.

We were rubbing limbs and body incommitty but he was evidently failing, respiration becoming more infroment and gasping, and the rubbin polestion coming.

After a short convenient respiration became entirely suspended. I instabilisticly reserved to artificial respiration by Silvester's method, and was soon rewarded by a neturn of the gasping, uncertain respiration, and feetle pulse.

The artificial respiration was continued, from necessity, for an hour or more, almost without interruption. Meanwhile a syringe-full of the very strong infusion of pure coffee was thrown into the perturn every half hour, also occusionally a temporaful as two of whicky dilated. As the locathing because so far recalabilished as to allow of suspension of artificial assistance, the pulse gradually increased in strength, I considered, seriously, the miximisity of administering belladouss, in small and repeated disces, and did exhibit one drop of Squitt/a Ftd. Ext. is one of the coffee meanus, but as there were already signs of increased vitality, and as I desired to test thoroughly the coffee treatment, the dose was not repeated.

The coffee enemies and external friction were continued steadily until 7,20 o'clock a. m., when the firstle patient moved his toos slightly and sleggishly upon highlation of the sole, and shortly after, partially opened his eyes, when his mether shook him and called his mane locally.

The marcotic effects of the almost final dose steadily decreased, and at my call in the afternoon, reaction seemed to be fairly established. The pupils were of normal size and responsive to light.

I was a little corpored to find a temperature of 102.7° F., and hardlyknow how to account for it unless it was the result of excessive reaction. This may seem more probable since the patient oriented and defected freely later in the day.

On the day following, the temperature was normal and no effects of the recent systemic study apparent, except the unavoidable debility.

With great pleasure I place this case of recovery from the most profound narcotism in a child, to the credit of this simple creedly, risce the effects of the atropic transment is doubted by so many and really is so risky in young subjects.

The number of field and almost fatal cutes of personing in very young children, cannot by does of get, ii) to be of Tinet. Opti, and correspond-

ingly missite doses of the other preparations of opious, are sufficiently numerous to make it very desirable to bring into general and thorough see, as almost immices and very effective remody.

E. P. FLINT, M. D.

SOUTH COVENTRY.

A CASE OF LEFT LUMBAR COLOTOMY.

Mrs. H., sixty years of age, married, and the mother of four children. had of late years been of constipated habit, but not of sufficient swurity to induce her to seek medical advice; aside from this she had always been well. On the twenty-second of July, 1882, the writer was same moned to afferd her, found her lying on the lounge, complaining of pain in the boycels, and reported having taken two full down of Salts. and Seam and "Custoria," with no operation of the howels since the sixtle, that being sixteen days pervious. There was no constitutional disburbance, and abdominal palpitation failed to discover any murked tendersome or any transport of the abdistrees. The patient said "all the wanted, was something to more the howels." Perscribed medeath grain of Clasterbrock's Elaterium to be taken carry two hours, until the bewels served. The following day she reported two operations of the borrels after taking four of the prescribed doses. The next day found her about the house feeling as well as usual. Was called again on the twenty-seventh and found much the same condition as on my first visit, the bowels not having moved since the above rathertic was taken. Again prescribed the Elaterium to be taken the mase as before, and to be accompanied by large rectal injections

Twenty eighth.—Has taken six doses of the Elaterium and the injections have been used as directed, with no charge in the condition of the bowels, slight abdominal tenderness, but not a great deal of pain present. Prescribed Pil. Podophyllin Comp., one pill every two hours.

Twenty-ninth.—No operation of the borels, and rather more pain. Temperature accural, point slightly accelerated; new prescribed Centon Oil, exclusif deep doses, to be taken every hour until an operation was preduced, or until eight doses have been taken.

Thirtieth.—The horrels have not entered, but after taking the eight dose of Croton Oil, vomiting set in, the vomities was as truly stereorace one as possible in odor, color, and appearance. To-day directed the rectal injections to be pushed in the largest amount that could be loose, save no cutharties; to take one grain of Quinine every six hours.

Thirty-first.—The injectious failed to produce the desired effect.
Rectal economistion reveals an apparent obstruction about six or seven lacker above the news-

August 1st -No charge in her condition. Was seen to-day is constitution with Dr. T. M. Bills of Williamstic; he advised excessis of mastard-water and notanes, through flatas cathener and give Byoscyamus and Belladorms, all the patient will bear. Veginal examination discours matting hearing on the case. Cathener can be introduced about seem inches, when it meets the obstacle referred to above, which gives to Dr. H. the senaction of entering a fold of the intestine.

August 22.—The neutral-water injections come away, brieging nothing with them, and this occuring rounding again set in, being of the same algeoraceous character as before. Slight delinium present, remaining from the Belladoeum taken. The system is now becoming incolorace of injections, will bear about six comess of fluid. There being but little real constitutional disturbance, around desisting from active treatment for the present; continue the Quinlan and give four injections duity, with temperature stupes to the abdresses to referse tymposites.

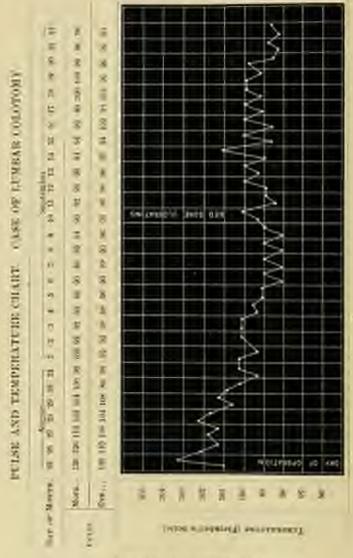
Any, 8th. The condition remains unchanged. Now communed applying electricity, one pole externally to the abdoman following the course of the large intestine, the other inserted in the rectue. Continued the electricity for a week, together with injections of milk and two injections of pipearine. From this time to the 25d of August, the treatment was expectant, with the exception of aspirating the bowels for the relief of the tymposites on the 10th and 18th, which afforded, low-over, but slight relief. On the 25d, the hand was introduced into the section, after Sianu's method, but the observation could not be removed. The tympositis was now extreme, and the patient began to also worsin takable signs of latting, and the operation of colorony was advised as a dernier resort.

In consultation with Dr. Newton on the 20th, the constitute was reached that unless relief from the obstruction was obtained, the patient would survive but a short time. The consent of the patient and her friends being obtained, the following marriag was appointed for the operation of culateray.

Aug. 20th. The patient passed a right of disconfert from the distention of the abiliance and embarrasament of respiration therefrom. The temperature ten a is in 1919, palie 128, the patient convergeous and confident. The operation was performed by the writer, notated by his beother, Dr. Smith of Murson, Mass., and Dr. Clark of Stafford Springs, Dr. Neuton being invariability absent. The patient was enterired and placed upon a table on her eight side, with a pillow beautift for tolar. The america and posterior superior spinors processed the Hama were made out, the distance between them notatored, and a transverse incision five inshes in length was made, the center of which was exactly half an inch behind the mid-paint between the anterior and posterior spinors processes of the fines. Immediately beautift the stin was found a layer of adipose those two inches in thirkness, which provided making the incides in the skin are inch longer; the proporlar layers were as wlight as to be hardly apparent; the layers of arcels adipose those laying immediately upon the intestine were leaded with fat; great care was used to make the incision of the sleeper structures of the same length as that in the skir. The gut was easily found, two long sifk source atmed with a needle at either end were passed through it parallel to the sides. of the would, the fear accilles were passed through the skip, two at the upper and two as the fower part of the usual; the get was then opened, the loop of the sations down out and divided, and the gut unds sense to the four points when the needles were passed through the skin; brownish released some solid faval matter possed forth from the opening the instant it was made, and continued until an ordinary changer-essel was filled. The edges of the okin at the upper and lower angles of the wound were brought together with usures. The patient railled well from the operation; at vice r. st. her palse was 126, Seammalare 203,4%

Aug. 20th. Slept well all night, the abdones now perfectly fluccid, general condition goes! the facul fistule is still discharging the contexts of the bowels. There we not regular movement of the bowels, but the laces flow away more or less all the time. From this time to the 6th of October the case west on uninterruptedly, when she had a spenishmen discharge of been from the rection, the first natural more peet of the boards for nearly three meetils. The patient was confined in the field for some weeks after the operation, but gained strength, the worled closing so that Dec, tot it was about half an nich long, and still contimed to perform the excial functions. At that time the hady was per-Similing her must househeld duties, and continued to do so until her and and was taken tick and required a good deal of attention, and their hitchen being in the busement, the was obliged to be constantly going up and down states, until the was at last attacked with the most severe patrid privic absenuthe union even use, which slowly drained away her life, so that she died just a year, tacking a sky, from the date of operation.

An autopop rescaled a tumor on the intention wall of the intentine just believe the significance of the colon, which to the eye and bouch rescalded a schirger formation, but the microscope falled to discover any cancer cells. The intentions in the immediate rightly were a genfect mass of adhesions, so that the obstruction was doubtless madered more obstinate and permanent thereby. Had no intercurrent affection intervened, the woman might have had a long and comfortable life, as the result of the operation for her relief, and without which she could not have survived three days.



FRANK L. SMITH, M.D., Statemer Spring, Coss.

NEW LONDON COUNTY.

W. C. Wnn, M.D.

Charman of Money of Professional Interns.

My correspondence with the various members of the society in this county does not reveal much in the way of matters of professional interest outside of this town (Noewich). From Old Lyme comes the report that there has been very little of acute disease of any kind during the past year. Mystic finding reports that "with the exception of a alight visitation of second last Fall, and a generalist donation of second this Spring, no epidemics have under their appearance. Now and then during the past year we have been called to treat a few mild and apparently included cases of sorred force which rarely spread beyond the patient attacked. Diphtherical effections have been rare, and few mild cases of solariol feor, less than the usual number of colds now and then a case of absence tows, complete the list. Presencein, so far as our observations have extended, has not been seen; in short, the past year has been one of unusual health."

Since December last, the members of the Norwich Medical Association have reported at their monthly meetings the number of acute symotic diseases occurring in their practice during the preceding menth, but as the attendance at those monthly meetings is somewhat irregular, this report must accessarily be incomplete; however, from these reports, I gions the following:

During the past four months there has been reported of scorler freer, thirty-three cases: dipterant, twelver, monde and chicken, pur occurring more or less, but the number of cases has not been large. A number of the cases of scarlet lever presented a great degree of malignancy, the patients dying at or acco after the appearance of the eruption. During the Summer and Autumn of 1883, the usual number of typhon free cases numbering about sixty, three were complicated with philopeanic also dolon; the mortality among this class, as in the year previous, was rather low. In the district known as the Falls, there was for a number of weeks last August quite an epidemic of dynastery. In a row of houses on the rost side of the Vantic river, it commenced Augus 11th, and three days later occurred the first and only death. In

this locality lived twenty-three families, containing our lumified and twenty-free work, of these, twenty-six were attacked with the finence; the only cause assignable was the remarkably low state of the river or poul which is formed at this point, covering in the teighteethood of three fourths of a square mile, the was statued at this time, and during the hot and dry weather following, the epidemic appeared; the fact that all the cases occurred to the our side of the river, while on the opposite side nearly in many residual, can only be explained as far as I know by the prevailing direction of the wind at the time. Two of the cases (a boy aged four and a man aged sixtly-first, were complicated) with large absences opening into and discharging through the lowels.

Soon after sending in the report one year ago, small you appeared in our mide; it broke out in the Greenwille district, and the patient was quarantined at the post-home. About two works later his two children were attacked with the same disease, some the same time two children at the Falls district came down with mali-year; the contagion in the two latter cases somed clearly travable to the snoke of the burning bedding, sto, destroyed after the death of the first case, inter, an old lady who took care of the shildren was attacked with small jos, but recovered, as ilid also three of the children. After this the town remained clear of the disease during the rest of the year. Mater 13th of the present year three more cases of the disease appeared in Greeneville, and these seemed clearly traceable to the paper-mill. This expansate it seems to me is a weighty argument in favor of legislation concoming imported rags. In considering the matter of quarantine, the Board of Health decided to allow the patients to be quarantized in their benea, except one who was nemoved to one of the other miveted homes.

Of the time cases occurring this year, all had been vaccinated; the line was an exceedingly errors case of the confluent form. She was vaccinated about differen years ago so ber carcinate a most have been spurious, or else but as projective powers. She reconsored after about all works illness. Case number up was quite light, the patient keeping his bed but elsent a week. Case number three was a moderately more case of the discrete form, from which she recovered in about three weeks. The two latter cases had been vaccinated within the years, which will account for the lightnam of the strack.

W. H. DUDLEY, M. D.

Resource for New Louden Course.

REPORT OF A CASE OF AN EXTREMELY ENLARGED BEART.

INCOMPARISON OF AMERICAN METHOD VALVES. KNOWNESS HAVE THEFT VICTORIA, WITH DILAYERS AND GREAT THEOREM OF THE WALLS AT THE APPL.

HE BRAIAN C. KINNEY, MIN., SWEWICH,

George H. Briter died April 10, 1884, aged sixty years. Married, and fifther of a large family. One hundred and except/free pounds in weight, five feet right makes in beight. A very light-colored modulto of that, hundreds appearance. Habits good. British observed to hatel, and the past twenty years proprietor of a re-tainment. Has always enjoyed good health (with the exception of an attack of influentatory theoretism when quite a young man), until about two years since, when he found any armonal exertion to be attended by difficult breathing. He however continued his business until a menth before his death, when, owing to extreme disquares and commencing amounts, he was obliged to remain at bone.

An exemination made about the first of March, showed very marked increase of the arm of cardiac dulfness; at base of organ, a load respitag narmer; at the apex, the sounds very fields and militized; severe pulpitation on exerction; palso becoming irregular and weak. Says that going from his store to home at night, about a quarter of a mile up a steep bill, occupies him an hour or mree, and he is often compelled to sit shown and brace himself against any committed object to recover his breath. Urine normal in quantity, high-colored, wild, up. gr. 1020. Alleaness 15 per cent. Microscope shows grantlar and hydine casts of large distractor, kidney epithelitus and large quantity of amorphous trates. Other organs apparently assurable.

Under a marefully regulated dist with directics, dispheretics, digitally, tenies, and stimulates as required, he musticed in comparative comfort, with the exception of inshifty to lie horizontally, until about a week before his feath, when the massive rapidly recessed extensing to the groin. The dysprova also because exceptly and terrible to heliold for absentionty eight hours preceding death, the only relational his constant the about of the nitrate of anyt. He retained his constant was until the last. Expectorated clots of pure blood shring the last day of life. Died April 19th, 10 o'clock r. w.

A past mortes made the next attended in 4 o'clock, showed as follows:
Bigor mortis well marked. The legs that been penetured in various
places after death, and about a paid and a half of fluid had souped in
six hours. Theres and abdones only examined. The whole of the
cellular tissue was ordenatous. Langue collapsed, occurring congusted,
and orderestons. The pericardial me when spened was found to contain

shout two ourses of serum. The escension heart when removed weighed with its contents stary four numers, and after its cavities (all of which more distensivel with blood to their atmost capacity), had been unashed out, forty ourses. In the eight sorticle was an organized clot; will the others were probably and morrow, or formed shout the time of death. The right ventricle worth dillated, its walls about one fourth of an inch thick. Left attricle and ventricle greatly hypertrophicd and dilsted. The walls of the left ventricle were an inch thick, except a circular place about one and one-half inches in diameter around the apex, when they gradually thinned down to one fourth of an inch at the point. The autic varies were aboly incompetent, water mustage through them as through an open tale. The appears between the centricles was three-eighths of an arch thick. The orifices of the recovary arteries were very large, the arteries thereefters nearly the non-all the raileds. Mittal values sho insufficient.

The first was about normal in sire, congreted, and shored commercing fatry degeneration. The kidneys were both enlarged and lebulated. The left kidneys had a syst developed in the capsule about the size of a walnut. On the convex border nearer the apper half and under this epst, one the size of a pea in the certical substance. Certical substance thicker than normal [kidney congreted]; weight even centres. Eight kidney was more congreted than the left, the blood following the knife; weight seven centres. The certical was contracted, in the privacel the kidney there was ordered, and between the callions there was a large amount of fit filling the infundibulum. Intentions extremely congested, sharping beautifully the ramifications of ultimate vessels.

REPORT ON PREVAILING DISEASES.

BY L. S. PARISONS, MOSTRICE.

The past year has been free from any excitement, and the prevalence of any one disease, so that I can give you nothing of value. I have had one severe case of diphtherie in an adult body, which for three weeks cost to much care and analety. The treatment which was excessful, was mostly the time forti every half hear or hour, and a boundful use of stimulants. The characteristic synapteres—good positration, a tendency of the disease to invade the largue, very feeler heart action, and temporary paralysis and consequent installing to evacuate the rection.

There has been some smaller fever, not very source generally. One and case illustrates the excessive need of continue is order than the disease may not be spread by persons dealing with the sick. A sady two days after confinement was taken with slamming symptoms of prostration. with extreme repidity of pulse. We could not account for this except by a disgressis of scarlet fever. Just before for death a light rish appeared, and subsequently the children suffered and one died. We then burned that the name, from a neighboring town, had the care of southt breez, and name directly to this means, one week before her confinement.

During the post month we have had three cases of small-pea, all mill operatives. Query—where did the disease come from? By nightly amountaining those cases, thus far the disease has been controlled.

I should have been glad to have furnished yet searching more, but the cedimary daily round is too familiar to be told, and only an occasional notelty arises. But it is not satisfactory to anyone to have no amistance offered in a work in which all should feel or interest; therefore, accept this as a manifestation of good widers.

NEW HAVEN COUNTY.

RACHITIS AND ATALECTASES.

HE R. B. RECKRITER, M. D. MEN HATEX.

S. H. B., male, age at death 17 mentia; thus of block March 251, 1879. His general health was good up to the time of wearing, which occurred at the age at 10 months, although a little pallor and passentar dalbiness exhibit. From this time his food associated largely of matment grash and a scarry allowance of milk, agreeing pretty well as a rule, but causing several Hight attacks of constitution and distribute Almost immediately after wearing, his mercular falbiums increased and his mellow noticed that his legs were growing weak and that peweral quariation was rapidly taking place. At the ago of 12 months a slight, dry cough began, with marked increase of the paller and constition; at the same time he pengired freely about the head and trusk. At the age of 14 months, the chest walls began to bend inwards, gradually increasing until permanent deformity of the thorax resulted. During the lith and 16th months he suffered from six attacks of Larragismus Stridules. His first touth appeared at 5 months of age, and at death be had only cight.

When I first saw the child, ten days before its death, the condition was as follows.—Countenance happard, specifier and senden, body much emaciated, waseles flabby, and the skin hasping in folds upon the areas and logs. The spinal column is bout backwards in a regular conve, the logs hasp likep and powerless, from the about complete muscular strophy present. The areas are constantly and strongly used, the skin is inclustic, reputiting in deep folds of pinched up, the hair is long and

wiky. Tongue clean and red appetite good no considing; one yellow passage daily. The abdomin is commonly distended with gas, the there's weal, and the disphragus is pushed up. Liver and optom normal. Respiration is shallow and rapid, expiration being assumparied with a less mean. The notiful dilute during impiration, and the dispute is much increased by the recumbent posture. The cry, never load, infectle and whining in character; a dry, jerky, and manwhat sufscaure eregi come every lifteen mirates and is followed by crying. as if the art of coughing had been painful. Duliness exists posteriorly ever both lower lobes, with distinished resourcings over both upper lobes. Enterpitate roles are board posteriorly over both upper and lower lobes, and during impiration the lateral walls of the class bend-looply. inwards. Reart normal; pulse frequent and feeble. Superficial brusplantic giards not salarged. Pain only disting and after carefaing. No history of mularial infection. Sleeps normally between the purexyans of coughing, and is bright unit invelligent.

The auterior fontanelle, which could be a territorial at this age, is large, measuring \$\frac{1}{2}\$ inches seems between its sides. The nature are firmly omitted.

ANTERIOR POSTASTICAL

An Ande

44 In myon.

1/6 les acress.

Pin Aircle

No crimintibes exists

Diagnosia-Eachitis and atalestasia,

Canaziro.—Presenture and regid wearing, excess of starcin fixed, but hygims. The child went set of doors only one have, once a week, tory today twice, and laved to an everheated kitches in which its mather did her work.

Proposite.—Reprise. Death is immunent. The child died within forty-eight ferms of my first visit.

Por Merico examination eight house after freth. No rigor mortis-Thyseus gland normal.

Lungs, Kiple - Upper built of upper tobe collapses. Upper | or middle tobe in ware condition, a force tobe also. Lot, -- One-third very difficult using to the imported degentition; however, in a very few upper labe collapsed, also force half of tregue like process, and § locus labe. No parameter. Benedical plands slightly enlarged and hyperanois, but not degenerated. Heart normal, with large, dark, selt clot in the left angicle. Liver normal. Spices normal. Kidneys recent. Meseniaria glands subarged to size of pea, hyperanois: and sort, but not degenerated. Storage, and small intentions disturbed with gal, and somewhat thirms than normal in consequence of atomby of their coars, but attention agents. Brain normal.

This case is presented as a typical illustration of thomselv yearly occurring in the transact bosse districts of every large city.

WINDHAM COUNTY.

A CASE OF BELLADONNA POISONING, WITH COMPLETE BECOVERY.

BY CHARLES JAMES PHY, M. D., WHATMANING, CONN.

I herewith present, for the consideration of my probational trethms, a very interesting case of Belludonus Poissning, followed by complete nearest; and maximide as the case was one of mountal severity, it descentrated that the artiforal powers of opinic powerd to be in this case on invaluable remedy.

March 10th, a messenger in great hasts came to my effect about \$200 p. M., and requested my immediate attendance upon the prompet child in the family of Mrs. A., whent four years of age. Mrs. A. informed me that about 7.30 r. M. after taking some medicine, the child was select with severe vomiting, which continued with spieces, alternated with periods of repose, until my arrival at 10 o'clock p. M.

I found the child was deeping quite soundly. Price 130, respirations
31 per minute: the symbol squar being raised, disclosed the index very
largely diluted, only a very small circle being risible. There was designed efformance all over the body, and some talkation delivers at slight
intervals. The name stated that the mother had given the child, whose
7 o'clock that evening, a temperated of some quinter sucture (QuinneSulph 31, Fd. Ext. Turnsama Syn. Glycratic of § 40, to overt a (bill,
but in a few research afterward the child had wondted alightly, and in
about an hour had communiced having speace, which were the conditions
and my arrival.

Upon exemining the quisite mixture (se-pailed), it was found to be Field Extract of Belladores, which had been used by the mother locally for the purpose of suppressing a threatened secretary above. I immediately gave the child a strong conetic followed in a few moments by a tempoonful of prestated mixed in water, but the administration one usements imperfect cases inflowed. I then decided to try the articletal country, option. At 1845 c.m., I injected hypothermically acctate morphia case-righth grain, and administrated per occur a temporated of a strong solution of number arid every thirty salarmes. The patient slept in a few moments after the injection, pulse 127. There was considerable actualities at times, and the slightest teach on the fagur tipe would always result in proteomed digital fluxion.

At 2 a.w., the patient on being around, voluntarily complained of score pair in the largus, and a very graff roles was noticeable, followed by an expecteration of mirets, pearly tough policie; the red efforcement of the skin had disappeared in a marked degree. The left pupil was slightly contracted, and the right was very largely dilated. I then injected hypothermically recently grain of acctate morphia in the right term, and communed the solution of tangen.

6.16 a. u., the patient was very unway and restlem, and very weak, becoming delivious, langhing at one mineral, and acrossing with fright the next. There was namerally incombination in reaching for anything, the power of attimization was destroyed, and the tengue appeared greatly enternations. The efforcement had reappeared over the entire body, the papie were largely diluted, and there was morbid annihilationess on sounds and objects, with insatisfied thirst, but difficulty of depletition.

6.59 a. u., no better: hypodermically administered one-eighth grain accuse noughts in the left arm. 8,30 a. u., sleeping quietly, evidently being fully order the inflames of the injection? some substitute and other quiet; pulse 130.

10 a. w.; on according the patient she manifested considerable definion, and somed to want to grasp at everything; pupils slightly contracted, with diverging strabitume; pulse 125, respirations very slow. At 12 a. w., was sleeping very smally, pulse 122, respirations slow with crowing sound on impiration. She became very rigid when around, and relaxed when solvey. The effectioness had again disappeared, I ordered the solution of tannia to be given now every hour; around the patient at intervals every hour until 2 r. u., when she awoke. She talks better, articulation is more distinct, and she complains of thirst. I gave har (9d) Ofice, Otel Strini, 44, a temperable every hour, discontinued tannia solution, and injected one-twelfth grain accents morphia in the left sem.

4 r. s., the passed a very large quantity of dark-colored arine, palse 119, profine perspiration, warm surface. 6 p. s., condition about the same and bestell moved freely. 5 p. s., patient they expicitly, and when aroused appears much better. 12 midnight, palse 100, respirations 21, much better. 2 p. s., the patient sleeps quietly, pulse 58, respirations 17, the pupils normal although dilating readily; all the traces of the Bellations Peinseing have disappeared; from that time onward, the patient trade a rapid and permanent recovery.

ESSAY.

CALIFORNIA AS A HEALTH RESORT.*

By A. M. Sukw. M.D.

GENTLEMES:-

Correspond several meeting, the regular Discretation which I prepared several months ago in obsdience to your appointment in lieu thereof, I beg you to accept some thoughts respecting the climate of California, and its advantages and disadvantages as a health resset. I am the more descreas of giving you my impressions to this important subject, because you as physicians, have it in your province to prolong the lives of many invalue by furnishing correct advice as to wise and observed on the advantage of climate is describe, and also, to prevent understand lengthy and technical poursoys, when suffering from incomité organic discusses

I have not so many and instances of great suffering endured by invalids who were sent out here. You after there was a shadow of hope of cure—when only the tendensat care of foring hands as home should have ministered to their wants—that I are convinced you can do as much good in this negative way, as by the more positive recommendation to those who mally need a change of climate.

Let me, then, mention some of the principal disadvantages first Under this head I shall not speak of clonate, because California with a coast line extending from North to South more than 800 miles, with high mountains, real-sheltered cattons, warm valleys, and broad sandy plains offers every conceivable ofmute from rigorous winter to soft and balony spring.

Nothing has surprised incomore than the marked contrasts at comparatively about distances. At Los Angeles, for instance, year

^{*}Board of the Annual Meeting of the Muldister County Multiple Decemp, april 100.

look off twenty five miles to the summit of the Sierra Madre range, where the anow-capped peaks glosm in the sunlight continuously, while you are feasting on strawberries and tropical fruits, surrounded by rosse, heliotrope, and mre exotic plants.

One other instance of this great contrast may be mentioned. At San Prancisco, you require heavy under flamels and thick outer garments the entire year. The mean average temperature for January or July is about 50%.

By simply crossing the bay to Valleye, 28 miles, and possing 10 miles into either Napa or Sonoma Valley, you reach a shelbered section where the thermometer in the shade marks a temperature of 198" during nearly half the year. These facts may explain the directly of opinions which have been expressed by equally intelligent observers. One traveler creates the continent to San Praneico, barries through the State barely ratching glimpies of places along the line of travel, and returns home with an ageomfortable impression indebibly stamped on his memory by the logs or chill winds of San Francisco, and the executely poor hotels along the route. Another journeys beautedy by the Southern route to Yuma, Riverside, San Diego, Los Angeles, Santa Barbara, and Monterey, passing long enough to feast on the oranges of San Gabriel, the strawberries of Pasedena, and the grapes of Santa Clara Valler, until his mind is filled with wonder and delight at the femility. warmth, and possibilities of this youthful state,

Of the deadwarrages, distance claims our few attention. Three thousand raties over the Rocky Monerains, requiring a journey of six or seven days, is a serious obstacle even to the strong and healthy. It should receive your most serious consideration. Do not vesture to send patients suffering from advanced organic diseases, upon this long and teclious journey. Heart troubles spinal affections, and scate lang diseases contramiticate travel which involves distance, elevation, and discomforts. On the other hand, experience shows that "nervous" people who suffer from insominis at home, are benefited by the continuous motion of railroad travel, and thus find not after other treatment has failed.

The great army of sufferers from dyspegata, asthma, neuraethenia, and convalencents from acute diseases may safely and with advantage undertake the journey. I have been surprised to find that nearly all passengers overland weigh more and feel better at the end of the journey than at its commencement. While there are still many inconveniences and much room for improvement, yet the sleeping coaches and eating stations have been so greatly changed for the better during the past ten years that but little reseales to be hoped for in this direction.

When you have decided that your patient would be benefited by travel, you may safely follow this rule. If you consider him able to cross the Atlantic, you need have no been also in advising him to undertake the reserrand journey to California.

Having tried both, I unbesitatingly give the preference to the latter; and in this opinion I am guided as much by observation as by personal experience.

The second disalvantage to be mentioned is that of indifferent accommodations for invalids after they have reached the Parific Coast. I refer, of course, no the hotels or public houses. This ofjection, which at present is a serious one, applies to all Southern California with the accounting of Monterey, Santa Barbara, and Sorra Madre Villa. There are many private houses where enterprise, taste, and skill have, in a few years, made the most delightful costage homes to be found in America. Some of these are located in sheltered carons where all of the tropical fruits are produced in abundance. Others spring up like luxuriant cases on the plains or near the ocean. Doubtless many invalids could find good accommodations and cordial greatings in some of the rural paradises. But these places are unknown to the seeker after health, and when found, serve hy contrast to make the defects of the public houses still more apparent. As this is one of the objections to Southern California which applies equally to all new countries, it should not be presented as a natural but only as an artificial defor which time and money will obviate.

You observe I have noted some exceptions to this general statement. At Santa Barbara two good lotels—the Artington and the Elwood—offer comfortable accommodations for two hundred guests. Both houses are well abunted and admirably kept. Here too, may be found gentle and side addite horses at reasonable rates for those who fancy this aport and are well amongh to onjoy it.

Perhaps the best small hotel in California is the celebrated Sierra Mastre Villa owned by Mr. Cogswell, the artist, It is emuated in the highest part of the loothills, L800 feet above son-level, at the base of the Sierra Madre Range, fifteen miles from Los Angeles. The wonderful developments, the peculiar charms, and the future possibilities of the country may be seen while sitting in January on the well-kept lawns of the Villa, breathing in the perfume of one tropical flowers, and feating the eye upon the hearity of sevhands, groves, and vineyards of the valley. But it is at the quiet old town of Moniercy, formerly the capital of California, that we find to the " Did Monte" the alred Hotel. Taking everything into consideration, this hotel, with its fare, rates, appointments, accommodations, grounds, drives, beach, paydoon for buthing, etc., etc., has no orgal in the world.

The Hotel dol Moute is owned by the Southern Pacific Railroad. It is countracted in the modern gothic style, and cost, with its furniture and other appointments, a bull a million of dellars. The house is elegantly furnished throughout, and is kept as compalocaly neat and clean that the visitor is sure to think it can have been opened but yesterday. Both her and cold scaler are carried through the hotel, and there are processors bath-rooms on the different Boars free to guesta.

The site selected was in a lovely grove of pine, oak, and colar, the trees being sufficiently scattered to admit of the adomment of the grounds by means of drive-ways, foot-paths, lawns, and beds of flowers. Under the direction of an accomplished landscape gardener, a corps of forty men is kept constantly ourgaged in embellishing the gamens, neemed, and walks,

Here and there are swings, croquet plots, an archery, lawn tennis grounds and bins of tipe beach sand; the latter being intended for the use and detectation of the children who cannot await the bathing hour for the daily visit to the beach. The use of all these, as well as the ladies billiand room are free to guests.

Driving and riding constitute two of the leading ammerients of Montervy.

Well-kept mass/amixed roads have been constructed a score of miles along the scean, through cypones graves, and buck over the mountain, and nearly all the time within the borders of the hotel assepuny's property. Coming to this beautiful place in January. from the enew and ice of New England, and finding enes will our rounded by shade trees, green grass, and bright flower plots, it is difficult to shake off the impression that you are still in the manes of dreamland, from which you dread to be awakened. After a may of nearly three menths I am convenced that, considering everything climate, listel accommodations, scalathing, and

beautiful surroundings—Monterey approaches nearer to the Ideal Saratorium than any place I have ever visited. One of the distinctive pseuliarities of Monterey (also Santa Barbara) is its equable temperature. The mean average for the months of January being 10° and July 65°. As a result, invalide and traveless from New York and New England come here to get warm and occupy the hotel during the winter and spring, while the Californians-flock to it from the list inland valleys to cool off, during the summer;

There is a steady tour in the atmosphere which embles and invites you to live out of doors beneath the clear hine skees, without feeling the enervating effects of the heat further south.

From January to December, year in and year sist, the weather particles of that delightful interlists known in the East and South as Indian minimar. This is well shown by the fact that at his tunch in a small cation seven miles from Monterey, Mr. W. W. Thompson has picked rips strawberries from his sizes every sky during the past Aser years.

What I have east respecting the climate of Monterey applies squally well to the Pacific Coast from Santa Cruz to San Diego.

During what may be termed the wrater months 10° will mark, on an average, the mean temperature, and water is never congoaled. The very fact that many persons were overcosts and sleep in blankers the year round, and that all field work from January to December is performed by laborate in their shirt-sleeves, presents a better and more unequirecal illustration of the equal-liky of temperature, perhaps, than any other meident that might be presented.

What is generally known as the rainy smoon, commences in November and hata two or three months. Many people who have never visited California commencedly imagine that during the "wet season"—so called in contradictionton to the dry member-rain never ceases in descend. This popular error is corrected by planeing at weather tables, which inveniably show that during the wet season in California there is not only less rain but more fair and beautiful days than in that portion of the United States between the Missinoppi Rives and the Atlantic Ocean during the same time.

The following figures, representing the mean temperature of January and July, and the average annual ram-fall (in inches) in Mentone, St. Paul, St. Augustine (Florida), and also in San Dugo, Santa Barbara, Los Angeles, and Monterey (California), afford a subject well worths of consideration.

	Jus.	July.	Brits Sci.
San Diogo,	617	467	18
Samu Barbara,	46	(6	15
St. Augustine.	69	27	35
St. Paul,	13	78	3)
Mentone.	20	69	23
Los Angeles,	55	62	18
Monterey.	50	63	14

Cold with mosture leads to pulmonary diseases, heat with mosture leads to malarial fevers. From such diseases the coast of Southern California is romarkably free. The drysom of the atmosphere pervents malarial diseases, and is also a great relief to broadinal affections.

You may ask, how can an invalid pass the time; in other words what authenents and recreations are offened? Samuel Bowles once wrote from Los Angeles that "It is the happiness of Paradise to breathe the air and to back in the sinchine of Southern Califortica." To the confirmed invalid who has been for months imprisoned by the rigorousl navalid settlers winter nothing more would need descrable; but a would hardly satisfy the convalencest who begins to feel the vigor and huoyaney of returning health. Here again the advantages of California are manifest. In all parts of the State the approximan finds use for his gun and rud. Squirrein rabbits, wild goese, quail ducks, and door, can be found near at hand, while larger game, such as partitions, those, and grinzly bears, abound in all the wooded mountains of the State. The streams are alive with troot and salmon, which can be legally taken after April 1st.

Time will not allow me to do more than name some of the conserves springs which absend in all parts of the State. In surrety, number, and character, they are found in California at convenient points, perasionally grouped together so that the invalid may have the benefits of soda, sulption, shim, magnesia, or iron springs, but or cold, while staying at use botel. The uniters of Pass Robles, Paraiso, Golooy, Harbin, Byron, Seigher, and of other bot springs, are bounfaild in the tremment of scinting, rheumation good, paralysis (without organic lenion), and cutameses complaints. The hot springs of Lake Napa, Sonoma, Len Angeles, Santa Barbura, and San Diego Comnos have no supersors in Eastern States, while many of the cold sulphur, usda, and chalybeate springs of Napa Lake and Sonosia Comnies excel those of Beth sada and Saratoga. They are all accessible with good small hotels, situated in the midst of some of the grandest mountain scenery to be found on the Pacific coast.

Perhaps the most delebented of these are the soda springs located six miles northward from Napa City.

These springs furnish a daily flow of four themsand gallons of water imprognated with tron, sola magnesia, lime, and muriate of sola, with free carbonic sold gas, in each happy combination as to impart pleasure, builth, and physical improvement as the court of their use. From more than twenty of these springs is poured forth the article well-known in the commercial world as "Napa Soda."

The water is buttled and sold just as it those pure from nature's absentory, with all less sparkling freshness still upon it.

The place is not what is nearly termed a fashionable recort. It is a delightful spot in which to baths, and hunt, and fish, and sleep, and dream, and rest, and forgot the busy, whirling city, with its work, weary, and disappointments.

Perhaps I have said enough to milicate, in a general way, the advantages, and a low of the possiliarities, of California as a health reaset.

Many extravagant statements have been under by tourists, conveying the impression that freet is unknown, that no fires are needed except for scoking, that it always rains at night, that it is never unconsfortably warm in summer, and various in-accuracies tending to give a false impression of the country.

The residence of Southern California do not claim that their climate has no emcominets, but they maintain storely, and with reason, that no stime has fewer. I have noticed that the longer can remains in California, the stronger becomes his attachment, and the less his indication to return to the chargeable climate of New England.

he closing, permit me to briefly indicate some of the classes of invalids, which are tensified by coming to the Pacific coast.

Persons having sensitive large, and those in the early stages of consumption, always find robed, and semetimes permanent resonation, in the warm, dry, regions of Southern California. So, too, sufferers from rhomatism, meuralgis, nervous proctration, and asthma: In fact, all of the disorders in which out door life is indicated, may be treated in this dry warm climate with a fair prospect of success.

On the other hand, he you value the good will of those who look to you for advice, do not not subject invalids suffering from chronic mentalite diseases to the discomforts of a long parriety, when no radical benefit can be expected. The key to this climate is to be forms in the fact that it has a warm sun and cool air. You may sit under the shade and pick ripening figs by day, and then retire to sleep under heavy blankets at night. The day formules warmth which is not dehilitating, while the cool nights being retreahing sleep. There is scarcely a day of the year a large portion of which may not be spent out of slows.

Add to these advantages the choicest and most tempting array of fresh fruits and regetables for every month of the year and you have all of the requisites in a climate for invalids.

Thus far only a commercement has been made in settling this great State. At no distant day, when it shall have been out up into small farms and complete by thrilly Eastern people, we may expect a veritable Paradise on earth, and each a Sanatorium for turnlide as the world has not known.

ESSAY.

MEDICINE PIPTY YEARS AGO.

R. W. MATREWOOD, M.D., DURIAN.

It is but recently that I have been estified that I was appointed to say separating on this recasion, which appointment had somehow escaped my notion. Aware of the fact that I could not furnish anything in a scientific way worthy to present. I concluded that if I had any advantage, it was in my memory, and that I could furnish some reconsecution which might be new to many, and might be the means of calling the attention of others to exents in the past, so that the contemnal history of our society might be as perfect as possible.

We first, on looking over the list of nearly four hundred members of this society, fifty years ago, that but lifeson remain, six in New Harris County, two in Litchfield County, three in New London County, one in Fairfield County, one in Tollard County, one in Middless County, one in Tollard County, one in Middless County. Of these eight were graduates at New Hayen, three at Pittsfield, two at Brunswick, one in Philadelphia, and one in New York. Of the medical class is New Hayen, of XI and 34, of many two students, only the are known by the writer to be living. These are Box Dr. Peter Parker, from Francington. Macc. Rev. Those K. Pesontrien, from Beattleberg, Vis., Dr. Harrison of Wallingford, and Dr. E. B. Middlebrook of Brooklyn. Hall of the states were represented in the class also South America, Ergiand, and the West Indian.

The Hospital was new at that time, with few parameter and of but little advantage to the students. There were no clinics, and the schools were closed eight mouths in the year. Associlation was not taught, nor the analysis of sirine known.

Bright, Graves, or Address had not then become immerialized by having their source spectred to a disease. Becamout, a native of Boursh, in this State, half your jublished the experiments on Argention, and exhibited his subject in New Haven.

The Clinical Theresension, Hypotermia Syrings, Chlotoform, Chloral Hydrate, and the Bronnides were not known, not the practical use of Azantholics had not been discovered.

There was quite a rage for taking gas and other for standards. Problems Sillinan used to administer gas to students at his fertures. It is said to had bugs tilled with air, which be sometimes administered to hear the students. At one time, after inhaling the bug of air, the strateuts showed tight, and went for the Problems, who, after defeating farmed for a mousest, told what he had given them. It then was known that so suffering was expertenced while the effect continued, but it was lost for Horace Wells yours after to make a practical use of this discovery. Opinionlogy was not considered of much importance, only three or hour lectures were given on the diseases of formules.

Nearly forty years upo, the writer had the bonor or report the name of Fordyce Barker, a member of this Society, for Dissertator, His subject was "Local Transaction of Uterans Dissertator, His subject was "Local Transaction of Uterans Dissertator, This was considered such an impossion on old customs that usuay of his friends foured it would injure his professional character.

When Dr. Beddord, of New York, are opened his circus, his exposure of fermion was severally denomiced by some of the modical journals. The remedy, in all emergencies was the larger. It was used in all mote discuss and states attacks of all kinets, apoplety, paralysis spilepsy, actions rejution, whether in the stage of collapse or remotion. These was no corporability involved as they all used it. Early, often, and largely was the rule

Busic the American Sangrado, was in his defense of blood letting: "I could mention many more instances where blood letting has matched from the grave children under these or four months old, and three or four months old, and three or four month in the estimary course of their arms down "Bleening should be continued while the symptoms which caused it remined, should it be till four blins of the blood continued in the body is drawn away."

In cases when it does not earn, he says "It may be ment to induce quiet shop, and then smooth the parage out of hife." Dr. Hounk recommended blood-letting or croup, as the next remoty after an energy, to the samest of from two to four senses in a child under two years of age, and from text to eight ourses from

children over two poses, repeated as often as necessary. The nearbing of Nation Smith and William Tally at New Haven did store to do away with the indiscriminate use of the larger than all others. Nathan Smith, in his work on fover, published early years ago, taught that it had a course to run, and that all herois remedies, for the purpose of breaking it up, were injurious. That he had never interrupted or shortened the course of a case that he knew to be such. Bleeding for the purpose of beassing morbid heat and frequency of the pulse, often had a centrary effect. He occommended the me of rold subtracted over the patient and drain of blobs in a the best means for reducing best, and end that patients remined to units and water, without condication, did better than those treated in the ordinary way. No work was more secondy criticised by the medical journals of that day.

Dr Tully denounced the use of blood letting autimamin, and all reducing remedies for rolleying "morbid irritability, irritation," "morbid smalbility and amoution," "morbid hour, mobility, restlement, and justitation." Dr. Tully encountered the strongest prejudices among the people of New Hayen. Physicians who approciated his abilities, and called him in noneithation, lost cases with the community, and in cases of protracted illinos it was difficult toget watchers and nurses who would give medicines if he had anything to do with presenting.

Many of his medicines have come into the since his death. His lecture on Verstrom was published by Dr. Chas Oogood, of chois-gogue haus, in the first yolims of the Assertion Joseph of Phenometry, seen after he graduated under Dr. Tully. This article made Dr. Norweod, of South Carolina, poyular years after. This medicine was again brought into notice by Dr. Fordyee Barber, and created quits a semation throughout the medical world.

Dr. Tully's treatment of most by the "deprote-sulphate of mercury" and "sangainarie" was the same as was published by Fred. Barker, and was so successfully used in his practice. It's "Tully powder," which he claimed he had used ever since morphine cause into use, was comparatively inknown till the recipe was published in Dr. Barker's Clinical Lectures on "Fourpoint Decemen." It has now become a boundard cornerly, and in as popular as Dever's powder. The great tant of Dr. Tully as a bettere was the enhanctiveness of the way is which he took up any subject. His disconcation and process to classes took up the larger part of the course, leaving little time for individual articles. The two volumes of his "Materia Modica" which were published, containing about fifteen hundred pages, were devoted entirely to classification and profine. His essay on Singuinaria covered more than ninety actavo pages.

The appointment of Thomas Hubbard to the chair of Surgery was in many respects sufortimate; no-mun could fill the sacance. left by Dr. Smith. Do Bubbard was not a graduate but mostly. self-educated; his permaneiation was faulty, which students were not show to notice; he was very closely confined to his manuscript, even in relating anecdates. As an operator, he was more successful than benetiful. When he removed to New Haven, he left a practice and professional reputation second to few in New England, his practice extending over Windham Carety and largely in the adjoining States. His office was always filled with first-class. students. One of his late students was W. H. Rockwell, of the Vermont Insure Asylum, whom I have heard say that, while in the office of Dr. Hulstard, one afternoon, as the stage carrying the great New York and Boston mail passing through Poufret, left. a leaser for himself anneancing his appointment as Assistant Physirian to the Insano Retreat, he remarked to the sindents in the office that nothing could have been less expected or desired on his part, for early associations hall given him a perfect horner adthe instan. An expression of surprise was manifested by each student at the way to received the house, meh regretting that he was not the favored one. He finally decided to report at Hartford, and after a tedison rife by stage was landed at the Retreat, which at that time bore very fittle rescubbases to the beautiful place it now is. It had more the look of a prison or factory, located in mergen field. It had been constructed with the stratest regard to economy. The only specifier seemed to have been, .- How rain we furnish the most accommodanous for the least steary? Who ever reads the early records of this ascisty can but allowe the perserverance of our predacement, as they labored from year to year in getting up this institution, those one of the carriest in this country. The young doctor, greatly fatigued by his long ride, setired, to be kept awake all night by the belown shrieks and howlings of a new patient. He said it was the word glocor night he ever spont. The next day Dr. Total the Superintendent, made him such proposals that he concluded to remain and complete his modical course under him, which he did, and graduated under his former preceptive in 1831, after which he becaled in Durham.

expecting to spend his life as a country slocker. After a year's trial, he returned to the Retreat whence he was appointed Superintendent to construct and manage the Insune Asylum at Bratth force, where he consined thirty years, making it the cost successful and popular institution in this country. Furting the most of the time of his administration the cost of keeping a patient was but a dollar and a half a week.

The movem of Dr. Rockwell did great could to the judgment of Dr. Robbard, who first discovered his peculiar states for the various departments of the work. All who voiced the institution could but admire its homelike appearance.

Fifty years ago there were not twenty medical colleges in the United States. Seven were in New England with an average attendance of about one lumited. Harvard was a little about of Yale in number of students, and Yale for the ton years provious had nearly double the number of graduates.

Before the Yale medical school was organized, the Harvard course continued but six weeks in the year.

The Berkshire School was then popular in this State. Willard Parker filled the chairs of anatomy and surgery, giving two lectures a day.

There were two schools in Vennetts. Prof. Tully sees still President, and professor of theory and practice in the Vennett Academy at Castleton, the term beginning there, at the close of the term in New Haven. This school at one time lead the largest class in New England equal to Harrard.

There were but two medical schools in the State of New York. The College of Physicians and Surgeons in the city, and the College of the Western District at Fairfield, both under the Begents at Albany, who granted diplomas to such as were recommended by professors and trustees of the different institutions.

The famility of the city, with the exception of Dr. J. A. Smith, professor of anatomy, resigned in 1826, and except a college in Duane street, which was called the Hangers Medical College, connected with a college of that name in New Jersey.

The edifice was probably the firest in this country. The vacancy in the chur of anatomy was filled by Dr. John D Godman, who had becured on anatomy in the University of Pennsylvanua.

He was a translator of French works on anatomy and surgery, an editor of a medical journal, a very fine anatomist, and one of the most brillians community to the profession this country has ever produced.

Valuatine Most sure said of bim, "In the perfection of his automated knowledge, in elopience, and effectively as a lecturer, he was not surpassed in this, is perhaps in any other country. He was one of the nectors, whose brightness dazzles for the recount, ore if followed braves the darkness more rightle." It was no his eloquence that the production was infebred for Dr. G. S. Bedford. Dr. Bedford, who had aloned law for a profusion, was passing through New York with letters to Duniel Webster, when a friend, a modest in Britgers, personaled him to go with him to attend a locure by Prof. Godman. Dr. Bedford was starmed and carried away by the eloquence of Dr. Godman, and at the close of the locure went up and showed him his letter to Duniel Webster, put himself under his unition, and graduated at the Rurgers.

The side of Dr. Godinan, with some beautiful poems written during his last silmess, was published by the Methodists as a religious tract for free distribution among medical students. The writer received a copy when a student. It is not probable that any medical school in this country over started under more farous ble ampiece than the Butgers Medical College.

David Housek was prominent in the farming. It was said of him by his colleague, Dr. J. W. France, "Never have we heard a medical teacher who in power of language, observes of expension, loves of instruction and dignity of carriage, equaled Dr. Housekla clinical medicine he had no superior; his eloquence as a teacher was of the most communiting order, the physiology of health, the pathology of disease, and the capabilities of our art, were well him the theme of the richest disquisition; and the most maid ferent student could not fail to have his attention nivoted to the able expectation and the graphic illustration of merital phenomena and capative agencies." Valentine Most illust the shade of surgery, and the other cluirs were filled by men of high sharacter.

The Regions, who were determined that no medical school should exist in the State not controlled by them, precious from the log-stature several special acts to put down the finingers school, which gave up the contest before three years. A professionable was made for Dr. Most in the old school, where he becomed, till be went to Europe in 1925. It was proved that the finingers was no injury to the old school while it was in operation, and no benefit came from its discontinuous. All were afterwards estimicel that the

unjust treatment of the Bittgers was a great injury to modicine in New York. In Philadelphia, the defleres a school, which started the same year as the Buttgers, was on the leasn. Paper and printer's ink was used with extravagance mover known before by a medical college. A scoled of the tin hos to contain the diploma excepted a scoreptenous place in the circular, while there was not a medical circular or catalogue printed in New York. Granville Sharpe Pattison had just returned from London, where he hold a short professor-ship in the University of London, and had taken the chair of anatomy at Jefferson, formerly filled by Nathan It South, who removed to Baltimum and took the shale of surgery vacated by Prof. Pattison before going to London.

The labors of the Regents at Allemy reduced the attendance in New York to electrone handred, while in Philadelphia it has belowd to increase it to about one thousand.

There was but one class of physicians in this State; all were members of this society by compulsion, or they could not collect their medical bills by law. Agents were selling Thomson's book, and patent right to use his medicines. The purchases styled thomsolves "Thomsonian Betania: Physicians" for several pears, and claimed no qualifications except what they acquired from this book. Thus areaed, they soon complemed of the memopoly which physicians enjoyed in being able to collect fees by law. A few your later, they got up a petition to the Legislature for the equal of the eighth section of the Medical Law, but the petition by over for the Medical Society to put in an appearance.

In 1840, the sympathioers sourced influence in the Legislature to get their potition through. When they found the opposition was withdrawn, the Thompsonian dectors came forward and notified the supporters to try to get the petition continued, as they did not care to get the bill passed only to agitate the supporters; but the bill, however, passed. The Thompsonians family tank the name of a Eslectic," when Buchaman began to sell them began diplomas.

At a State Concention in New Haven, a few yours upo, while Buchman was corving out his sentence in prison for his share of the fraud, a large number of the names of the officers elected corresponded with the names of his list of logue graduates in this State. According to the last report of the Commission of Education, there were about therty-five hundred graduates in regular schools: 430 Homeopathous, but 250 Eclectics. Therefore it seems they still have some secret way of obtaining diplomas, if they have any.

ESSAY,

THE EARLY DIAGNOSIS AND TREATMENT OF POTTS DISEASE OF THE SPINE.

By Gree B. PARKARD, M.D., HARPPORD

The counties, pathology, and recurrent of Pott's Donaso of the Spine, has been the subject of no little discussion and interest among the perfection, during the past few years. And is combling this to-day, I have limited my paper to the carly diagnosis and treatment upon which so much depends.

Although the period preceding deformity is generally quite long. the disease, in this stage, in a large majority of cases, is correlooked or mustaken for some other. Dr. Gibney reports that of 194 cases admitted to the Hospital for the Ruptures and Coppled. foring one year, only 14 come without any angular deferrity. But if care be taken, it is certainly no difficult matter to augmenticate these cases early. In the first place, I wish to call attention. to one or two Jobs symptoms that an commonly looked for, and regarded by many, as important and early ones. These are leaderness over the spine from pressure, and puts in the supras of the bank. The first is so rarsly found that its presence is almost indicative of the absence of the disease. In fact, if the pullent were suffering at the time of examination, pressure over the spine would be more libely to relieve pain than to cause it, as it would need to refuse the pressure in the america parties of the vertabric whose the discase stricts. Pain is also a very unreliable symptom. It is seldom present in the back; and although we gonerally find a along the rourse of the serves, a is sometimes about even how, for as ISII roth remarks the the forgus non-negorative esseltis, the hone may be extensively descriped without any pain;" and as this patho-

logical condition, according to our best authors, exists in many cases. of Poer's Danisto we shall frequently first a decided curvature withcut pure. One of the first less symptoms generally observed, is, the caretainess displayed by the cliftd in walking and playing; also the effect of slight jars and strains, which frequently giving rise to pain, cause the patient to assume a resition that will relieve the prowers from the spite. It will now very likely be remenblend that for the past few weeks, the child has shown as milifbecare to his usual measurement. And there will generally be added pain in the region of the chest or abdomen corresponding to the location of the disease, and exaggrerated by minsteps and jars; this pain is caused, unfanitedly, by the cyclien tissues pressing upon the spenal nerves at their formous of exit. Another important symptom preceding deformity is a reflex major of some of the muscles of the back. Dr. Sladler remarks that this rigidity does not come any voluntary complaint on the part of the patient; and that it is due to a poculiar irritation of the peripheral pervis, which actually supply the diseased or inflamed structure. It is accompanied, however, he an approfusaive feeling nery difficall to define, and very distressing to the patient. The movements of the child as getting from the recumbent to the erect position, and in excepting to park up articles from the floor, are so smallfied by the rigidity of the massles of the back, that they bels much in making an early diagnosis.

Again, a thorough samplination of the illier fluore will frequently reveal an abscore before any change has taken place in the spine. Disturbed sleep in another only symptom: the patient means and cries out without awaking; and this is generally so well-marked, that the mether will refer to it as one of the most prominent.

I will now briefly call attention to two or three conditions, which present some difference in diagnosis. We frequently see cases, a little object than the entimary patient, completeling of the symptoms proviously described, but where there are no cares. The treatile large is a neurosis, and frequently called hysterical, and we shall invariably find an online absence of the ridex insertial communities, while tendernous from pressure will be very prominent. From these two symptoms we can always exclude carries while upon mather examination, we can awaitly died stough neural symptoms to make our diagnosis artifiely different from that of

Port's Discuss. When we have corress occurring in the corrical region, we have susfirtinguish it from corricalls. The reflex mass-cular contraction occurs here in the early stages the same as when the discusse is in other parts of the spon, and consequently the position of the level will resemble very alwest the condition of true terricallies, but the peculiarity of the gain, the disturbed sleep, and the carefulness displayed in morning about are also present here, and the diagrates can be usely made. Besides, in true terricallies, there is no available and inflamed tissue to present the nerves, and give rise to pain and implement approprime.

When the carries is located in the limiter region, three are many symptoms in common with hip steems, one or which is the rightly of arrains must be. In limiter opinal carries, the only notion smally limited by contraction is extension, due to the contraction of the passe; while in carries of the hip other motions of the hip are limited, such as rotation, decries, one. Also by palpution, we frequently find a satelling in the films forces, which accounts for the shortening of the point,—a frequent symptom of Pott's Discuss. The rigidity of the mustles of the back and the very medicus chroate minure of Pott's Discuss will make it easily to be distinguished from persuphritis and other inter-poleic troubles,—in other words, the inflatible spins, and pain caucaling into the hinds, with limited extension of one or such limbs, are unfarative of lumber carries, rather than any intra-polyic troubles.

In countboring the treatment of Pour's Disease of the Spine, weare reachabled of the different theories in regard to its pathology and othibgs, but however much those may defer, we shall all agree on the imprenience of the tree int of toules, especially codliver oil, and on the importance of givens rost to the documed part. while the putient is allowed to be out in the open air. Our main object then is, fixation of the spine, the ran best be accomplished by one of two different methods depending upon the location of the spiral losion, viz., the photor of passe jacket and an adjustable stool support. Let me say right here, however, that the relief afforded by almost any properly adjuncted support which from the spine is very marked, and is apt to unshall the patient; he, thinking a rime will seen take place, is liable to over-exceede and become negligent, and then a necurrouse of aproptoms will invariably follay. For this is a disease which cannot be permanently relevant in a few months, -its care is the work of years. In the hundar

and lower densal region the planter of parts too supported any other applicates in my bonds, but in the middle and upper forcal and serviced region I think on use, oven with the hard-eye when accessive, is very inferior to a well-adjusted steel support. Among the objections made by the opponents to the uncer planter of parts are its great weight, its occlusion of the skin, the danger of contribtions, and interference with the race conjunction.

Yes it surns to my that these are of miner importance estimated to the skrinking of the tissues under the peaker. As a result of this, the import becomes too loss and therefore inoperation to a great degree and if we cal it open in from and number a piece. it would the perfectly minorable east we had at first, but it now alliers some lateral motion, and the patient someomplains of the lack of proper expect. In the lumbar and lower dorsal region, which is by far the corine. Iscuiros to treat in Potr's Discuso, this objection is not so marked. The mine is here as flexible, and so apt to come forward from the steel support, that this latter exit is more than companied for by the few lineral and anterior surport affected by the phater of para; and, consequently, we arrenearly sumotelize the spins in this location by means of the plaster, In the upper dersal region, which is the most difficult locality to treat in this disease. I do not find good results from the use of the plaster of pana, even if the jury-mast 5e used. We have not only the disadvantage here of being mable to get sufficiently above the disease with our support, as as to procure proper fixation, but we also have to coulond with the comtant imitation of the diseased werbdras, ransed by the newsment of the rile is respiration. can more usually accomplish the desired effect here with a steel support, as we can thus so much higher and get a firmer hold always the dissame

Among the steel supports, I think there is more experior to the one decised and used by Dr. C. F. Taylor of New York. It consists of two upragins of socil, one upon either side of the space, journ together above and below, and exactly conforming to the shape of the back. This is held firmly in place by straps attached to an aprox which extends in front over the abdomen and thorax, so that the action is backwards at the hips and shoulders, and forwards at the point of disease. The apogists must be so adjusted that only sufficient force will be asserted to fix the space, and to relieve the pressure from the asserted pertian of the vertebrase where the disease await, and to make the pasterior tealthy portion appears part of the weight of the bridy. In make to the reight accomplish this in the first two or three dorsal vertebrar, it will sensitive be found receiving to lengthen our lever above the disease by adding the headerest to the uprights already described. In the curvocal region the difficulties are not so great, the chief trouble being the motion and weight of the bead. This is admirably obvaided by the meter and weight of the bead, this is admirably obvaided by the use of the same bead-rost added to the aprights, which makes a firmer and suich more easily-managed support than the jury-mast sermounting the plaster cast, so the mater must combatily yield from the weight of the bead. Then well as a firmer time accompanies are measured only with the persistent use of tours, I am combines will release a great deal of suffering, and present a great many operators.

ESSAY.

NUMERY SIX DASES OF CONJUNCTIVITIS.

By F. M. Winson, M.D. Bansurverr.

The cases of conjunctivities in the table below have been insided almost actively by elemniness and disculsertion, and comprise all the cases which I have treated in that way, exclusively, up to date. Secondy-five of the cases were catarrial, five nore purchase, free irrelation, and obvious unclasseded. Poly-eight none makes thirty eight formules. The average age treaty-eight. These were extysix recoveries, two factors, and in recenty-eight cases the limit result was sucknown.

Arminged exceeding to diagrams there were:

Of 79 Camerbal cases.	Si resumeries I failure 21 militaries
Of 5 Purulest cases.	8 recorres. 2 milgrows
Of 5 cases of Trachema.	2 recoverses 3 mknows.
Of 11 undestited uses.	5 recoveries. 1 failure. 2 unknown.

In the two cases in which the treatment deltal (Nos. 2 and 95), prompt relief followed the use of arg. att. grs. x at. 21, applied to everted apper lift and its effect immediately neutralized with salt water.

Fifty one of the fifty staye catarrial recoveries, were under observation continuously until completely will.

Of these diffy-one cases, their average direction before treatment was 25 days, the average duration of the treatment was 11 days. In 13, chandress above was used. In 28, chandress and disipformer were combined. Incidentally was lise was used to 14 come and Papersoccue's communicativy france on they gr. 0, ad. vaseline on in two cases.

The short average duration of the treatment is, I think, remark-

The test could occured to follow whose the open could be pugstudy bothed about once an hour. If bothed oftener than this, the water seemed to mak the conjunctive too much. I think hot make not meet a much larger number of cases than mid.

The borie and was either put into the mater used for buthing, or presented as a collection, or rubbed into as submarch with various. I confess to an other lack of system in issuig the and. When to be used in the mater I time I codened a temporalial to the peer as often as anything. When used us a collyrium, I find that my presemptions varied from the grains to the comes to saturated solution. The boric and continent was used in but three cases (borne used, gra. xii, vandine, 31.).

There is nothing novel about absances and disinfection to treatment of conjunctivitie, but I do not think their respectance in fully approximate. Of mores the more thorough the electricus, the last need there is for disinfection. Believes in bonic and neight perhaps think at the native agent here. In my own pulgment it is second in importance to the frequent bothing.

Dr. Clus. S. Turnbull of Philadelphia claims excellent results in the treatment of epidemic conjunctivitie as it occurs in asylune, from what he calls Boro-glycerido.* I have nowe used the horo-

"Been glyceride in made by taking of bothe acid many two parts and of pare glycerine nimely two parts, and familing the missions in a large evapcating disk, as a made to be been until the product comes to line weight. The modes will then be found to weigh that an Amelical parts that is to say, its manufacture smalls a lass of over thirty three jos cont. This product on cooling, is found to be a body way hydroscopic, resembling as considerey and appearance less or glacial phosphoric acid. It impouncipenneally to be a solution of bothe oxide in phycotic, which on exposure modify taking up water, converts the oxide into the soid. It is insoluble to other or fixed oils, but solution is water up to gr. xv. no. § 1.

"To dilute it glyrerine must be employed, and the best mothod for an preparation is when freshly made, to said to it glyrerine in the proportion to make a liftly per cent, solution. This makes a preparation of the cresistency of honey, to which can be added lottine, tames, excess, car-

glyceride to have one theoretical crincism to make. You will notice by foot note, that he had combine boric and and grycerine, and the product suppare chemically to be a addition of boric sould in glycerne, which on exposure, readily taking up water success the code sate the code. Why the necessity of converting the acid into the code, only to have the soulde converted back into the soid before it can not upon the manhazer? But if upon trial, it can be shown that the boroglyceride is before it can way than the ordinary commercial soid, it is of more worth while to take the extra trouble to prepare it, and no shall be indulated to be. Turnbuil for the suggestion of a new remedy.

Dr. J. B. Emerson of New York City, other treating two hundred and fifty cases of exeptractivitie during an opidentic in a founding asplum, fold me that be combined classifies the most important part of the treatment. De Francis Valle, also of New York City, gave see a like opinion based on the treatment of an epidente of a hondred cases on Randali's Island.

In conclusion, I would say, that the table below is a recont of elinical fact, or accurate as I have been able to make it. My own opinious, based chirally upon it are:

 That a large trajecty of monet naturals conjunctives will get not quicker by persistent absolutions with but or old water than my any relief method of treatment.

That is many patients cannot or will not keep their eyes constantly does, some method of distribution forms a very important practical part of this method.

8. That boric acid is a convenient and efficient strindschart. It is charp, almost all druggists loop it, and it is entirely narryingling to the eye, even in saturated solution.

The removal of any active cause for the conjunctivitie, must of course precede or accompany any nothed of transact.

ficile with totalarm, rangem alrogue, etc., se may be desired. The sistement of homoglycomic is made after the following homola.

** Sol. bern-glyceridt, 3vi. Ed. Gelet, petrolet. Svi. Okt pour, q. t. ft. vier.

31.

"The makes a theoretically analycentiment which mether to cases granular non-precipitates the boric acid." (Knapp's architect aphilialization), March, 1884)

NINETY-SIX CASES OF CONJUNCTIVITIE.

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ESSAY.

STRANGULATED HERNIA

By Gro. W. Hanne, M.D., Oan Lynn,

The various ingenous and serviceshie appliances for the milet and care of replaces afford in most matrices a warranty against their worst contingeness. Yet atmosphilition is not very infrequent, and if the agency of the patient, and the about absolutely certain death if belt to minure, are considered you will agree with use, the relief afforded by prompt and officient interference, as strikingly dimension the beneficence of our art as any occurrence in the whole range of furnantile.

Your attention is requested to the following experiences and deductions from them, hoping they will be interesting and of worth to those who may have received to attend such cases of intentical obstruction. Of course you will not expect me to exhaust the subject in the medicate linear of this arrich, and it will be my substructed only to give muco memorands which I have not observed in the writings with which I am familiar.

Many years ago, I was called in consultance to a case which the attendant was treating for "glandular subingeness of the grein and billous fever."

The patient had been morel with collecty point, nine days before and although the acute symptoms were much instinated for confiction was grave, and indicated the husband and friends to regard ber situation as extremely strucks.

There was a high transit in the right groin. It was probably featural horms and if so, the color descendanced a gangreeness contition of the constricted gut. Her countermore was not purched, and the personal appearance did met indicate how to be -in extreme." We trusted mortification had not extended into the abdominant that there was a "forlow lope" in making an exploratory to-mide to determine positively whether the trouble was hermal, and if so, to relieve the stricture, and aid nature in the formation of artificial area. It proved to: not when the teneral ring was cased by a few gentle upward turns of a dull borns kinde, a coptous, and of course outruly involuntary, discharge of forces occurred. When an authoria submitted also expressed grant rolled, and as feeling much none conformable than since her almost but upper our return next morning, we found her feestle cold, and expression Hippocratic. She was entirely free from pair, and survived the operation inventy-eight hours.

I have made this marration in order to emphasise an important practical tiem. In each a spherolated tumor, where were the headmarks? the skin, the superficial fuscia, the oribitions (ascia, the fascia propria, the septemi crumile, the peritornal or hernial sac/

The integrament, I grant you: but below, a rotten conglementation not divisible into their proper laminar by the most divisible most their proper laminar by the most divisible most divisible manufactor. What then? The ferroral ring must be the objective point, and the handle of the malpul will surface to break up the pultaments man without ordangering the ferroral artery, were, or nerve, and whose the director or higgs must enters the ring, we know we are down tipes the harmal are or positionerm. And allow me to repost: In terroral breaks, when you reach the ferroral ring, you are upon the peritoneal sec.

To be certain of your locality, at this paint of the operation, or most satisfactory, for if you true, to your director, the number of layers you can dissert upon it will be pursing, to say the least, in the most normal combinion of the parts, and if abnormal you must be altogether uncertain.

The appropriateness of these constraint was illustrated by an occurrence eight years ago. The patient had noticed a swelling in the great from rhiddhood, but had never given it a shought until she called use to attend her for colic. It was a case of strangulatual femoral hernia and taxis was apparently successful, and would probably have been entirely so it the had followed directions and remained quietly in test. But being an well the dismisses the woman who was belong in the house and went about her affairs as usual. In three or four hours, I was automored to find strangulation which deded all my effects. I valled my friend. Dr. Gramiss of Saylonok, in consultation. We find taxis unfor acceptant, and introduced an expositor-result as recommended by Mr. DeMorgan of London, (a) ineffectionly

We opened, and easily reached the glistoning tissue which represented the hernial sac, but in the effect to enlarge the opening in the lands propria and septum crurals, to the size of the primary incision, my disease could not be inserted between the his uses and the asc was completely adherent to them. We tried to open the sac, but the thickness of the implicated field induced the being that the gut and me were adherent, and a very careful effort to diseast them made the apprehension almost certain; but when with care the external adherent were broken up, and the director attemed the femoral ring, certainly was assured. We know we were upon the hermal sac, and that it was externally and internally adherent. We broke up the external adherion, and remarked the are and contents, because it involved but our peritonal surface. And persent me to add, she was again about the insure within a week.

Now, obviously, but for the anatomical fast, that in femoral hermal, when the ring is reached, the one is also reached it might be decided—and warmanably too—whether the one were externally and internally adherent, for the case is, as far as my knowledge of berningoes, altogether unique. But with this criterion addouble are designated and posture certainly small/infeed, and it becomes proven that offsecone may obtain between the sar and excernal insense.

If the conditions are mernal, the importance of the them is somely less. Does the director enter the mag very resultig? in all probability, the observation is to the week of the sac, and it is not exciption relief will be obtained without opening the participant layer of the hornal turner, which containly increases the gravity of the situation.

This was illustrated by a case of inguinal forms, in which the rupture had probably existed from boylood, although the patient had not been much treation total his twenty sixth year.

After cutting down upon the mo, and white carefully contained ing to make an opening for the director, a line stream of serum sported into my two and mineraled the surrounding parts. As the throught of having pencintred the gut agrants me, I tried to distinguish the facial refor, but did not, and concluded the serum was simply the concerns of the sac. The knockle of gut was found after sitting up the perticueum, and encomfully reduced. The fate of the patient bung in the balance several works, however, for be had an attack of peritonitis, both severe and persistent.

But do not understand me as saying personals will be caused by opening the me, for I have repeatedly area it done without, and it probably does not occur in the great majority of cases, but it certainly is more likely to happen than if the me remains induct.

And do not apprehend me, either, that there will be no pertentially the me is intepened; for rude taxis, constriction beyond the capacity of nature to tolerate tomernia, rigors, and all the multiferious causes of inhestinal obstruction, may possess in Where so many elements of doubt exist, of resures it would be persimpliced to say of even an incision itself, that a given attack of perilonitis was produced by ii.

A purulent condition of the argumal canal after an operation to very perplexing, raising serious appealanceous regarding pyramicand dolars controllescee beyond all expectations. It was thre with a patient of mine who was operated upon by my fromt. In. Nelson of New London, after a strangulation of twenty hours. So long an interval had elapsed because I was not permitted to act, and was obliged to wait until the disclor's arrival. The purulent discharge continued very abandontly for a couple of weeks, but resulted in a most sat afactory recovery.

There is searcedy any condition more perturbating than to feel during an effort at taxis the repture slip from under your touch, and set find a timese remaining in the exact estimation it excepted. This may occur when the impture is addressed, and the effort at reduction has relieved the interagalation, in other timeses may complicate the case. In such emergencies the feelings of the parisat track to our guide, unless it he impossible for in to rest without an exploratory include. I had such a case of irreducible smoothin complicating inguited herica of the gut. The patient experienced such complete ratio after taxis that he voteed 1 " needed bother about the old imag, for it had been there many years", and so we applied a true, which he has more ever more with perfect extendation, notwithstanding the continued extendice of an epiplorale larger than a britternal.

It is an interesting inquiry,—How many radical cures follow the simple operation for strangulated bernin?

My experience has been with patients of very active liabits, and

notwithstanding trusses have been employed us an additional safeguard against necessary, I have never seen a case. This readly might be expected from the conformation of the abdominal rings and the nature of the operation. The rings are not expressed to be lessened in caliber in any case by the procedure, and if the stricture is external to the sac, the size is very considerably increased; and the temperary support which retains the gut is afforded by the aggletization of the tissues external to the abdominal ring, and as they are naturally elastic and distensible cannot be presumed to be any way safe, reliable, or permanent. I am induced to make these remarks by a conversation with the husband of our of my patients. who excused himself from paying my charged because "his wife had been a d-d eight woos ever since I had operated on him! And though sourced the operation was not expected to effect a care of the rapture, but to save her life, which would have conted very soon but for the succonful result, his anger was not mitigated, and he ripped out with an oath, "He was sorry I had ever loughed hee.

The importance of giving earnest, prough, and efficient attention to strangulated hernix might be profusely illustrated by reciting the connerous instances allowed. I find almost and kpt, which they are self, by their physicians to drill hopelessly to dissolution, unless the faint gleam of the spectrosons formation of armfetal area be called a changing contingency.

This spontaneous excurrence I have bond of it one collambinational case as happening mans, many years ago. I have notice some it, and it must have occurred when man was of a different nerve and fiber from the present. But I have known of six well-authoraceated cases of accompliated hernix dying right in my neighborhood, without an offert being made to operate. In hopes all these may have been as excumbbe in the neighbor, I append the following case:

The patient, T. S. Champion, was quite a local colabrity, the composition of "Champion's Limitedium and "Fresh Wannal Lector." Perhaps many of you have himsel of nine, and some himse him well. A your elector, of course he was hard to manage professionally, and thereby. I think, he not he fate. Parenthetically, he champed the invention of "Champion's Ultraintic Horma Instrument," but the trues was made by Dr. Thompson of Thompsonville.

When called to attend Mr. Champion, I found him wearing an instrument fitted, or rather mislitted to him by a Hartford druggest, whom he had taken point to visit for the reperial purpose. It was a single trust, and extended around from his back, across the would side, over to the seat of rupture. He was raptured in the right groin, and the trust extended from his back, around the left hip, down into the right inguinal region.

He had been directed by his doctor, many years ago, to Hartfeed and had taken all pains to have the nesse satisfactory appliance afforded by science and art, and jet such an entragoous mistalaid been footed upon him. No wonder the poor fellow thought be could improve upon it, and that when quiezed, being asked, What do you mean by ultrantic? confied

- "I mean the best, and after it, there accents't be any other."
- -What do you know about reptures?"
- =0. I've stndsed (*
- "Studied! Studied what?"
- "Why, studied my butt, of course!"

I will say the instrument made and sold by Dr Thompson was as good a true as I have ever seen. They will many in my strinity, and though years have passed. I have yet to bear the first complaint against them.

Champion had one, but he thought so much of it, he never were it, and kept it for exhibition. And well he night value it highly, for it represented all he ever reserved for his invention, and the sale of the unitaments, and many a weary mile running around to have up the required.

It was a source of coupling that the correspond supposition obtained in Harrford had not produced strongulation before, for his most have worn it more than twenty years, and it was only captainable by the inscirrity of his babits. He had simply-servation target and the last exertion made him so asthmatic be could harrily breathe; this also gave a porky and apparently even getic tons to his conversation which was however entirely apart from his nature, though to we height enough particularly executing in repurse and hillingsgate.

If you will imagine a short, very obest, smooth fixed individual topering along it old patient overalls and particulored coat, it will not be a minipprehension of our subject; a typical behanding towards doctors, vertiably believing all physicians impostors, pretenions and power for effect, and that without uninterfuge there could be so taken, or, as he would term it, "emartness." He was not altogether illiferal effect dispensing his compounds gratuitonly, rather than not have them used, and in this manner targety dissipated a property of five or six thousand dullars.

His rapture became simugalated Monday. It was not summoned until Tuesday, after he had repeatedly tried to reduce it

A large does of morphia was administered, and after waiting half on bour, taxis was tried, and we thought with ercoss. His relief to expressed as complete, and I could not detect any impreremaining. I left him with directions to take a good cathartic at night, and if his houses did not set by next morning, to advise me immediately. It was additioner. His forms was between three and four miles from my office. A very source most morn set in that night and did not clear away until the Friday night following. On Saturday at mon the man who lived with him came for me, and reported him sick at the stomach and counting, but without any pain in the location of the ruptury or abdomen. I immediately rode down to him, finding him is pointed and without abdominal tendernose. His bowels had not moyed, said "he had comited all the physic taken," that his renture had not troubled him sail he ascribed his condition to a "billette attack, such as he was accustorned to frequently."

My opinion did not estatede with his, his his view being altogether hopeful, I could but wish it correct.

It seemed as if the got had been irremediably injured before reduction, or that a segment might will be within the internal abdominal ring, and in consideration of the absence of pain and tenderates, it was gauge-mass. His brial expression was good, his pulse and temperature thin, judging by my touch, but I did not think an operation offseed him the beat hope.

He kept along, with frequently neutring processing of nickness and confitting, must the Toronkay arresting following. His mind was elect until the but, and he remained confident there was no trouble about him, only being "upon at the moment and binoximum." He attendant informed to that when be dead a stream of blood of considerable size was ejected very monthly from his mouth, and I throught perhaps Mr. Champeon was correct in his diagnosis.

Necespey revealed no leston of the strength, and the blood and have been an extend tim carried by an ongotpersons of the viscepa,

and a serious obstruction to renous circulation produced by dilatation of the right chambers of the heart, a product of his old emphysics.

About three inches of the limit, at the pinetres of its module and lower third, were a full, brownish hints, and required across little frees to deturn it from the internal linguistating, which still constructed it. When separated, a blank circle about the size of a time, in the middle of the black patch, showed how slight the grip was which the sing recained on the gut, and, unless the taxis had been injurious beyond recovery, here slight a strangulation sufficed for hability. But for his old heart and polynomic temples, this would have been a proper case for exercision, as recommended by Billroth.

Another noment and I have done? It has been a constant surprise, when smaling about bernia, that no mention is made of this fact: In all rapsume, excepting ingranal, when you reach the abdominal ring through which the gut escapes, with your larger, or introduce your director within it, you are minediately upon the bernial sac-

This truth affords the most facile guide is all operative procednites for the relief of the strangelated hernia. Even in the inquirial writtine, where the facin transversalis is still interposed between the scripel and the peritoneum, you will find the effort to evolve them separately very unsatisfactory, perhaps impossible, and most assuredly not worth your while, when bleeding vessels and the spenge of your assistant alternately hide the accessarily minute assection, even if forceole distension and arritation have not changed their juxtaposmon into milloranity—which is not at all mustal.

Be the exact inguiral, Formerst, Untilities, or Vertrail; be its Epiploceic or test; to the structure within or without the sac, you primary objective point and most certain guide should be the operation through which the posterous compact from the advisorable entity. You reach it, and even write old addressors glaing the neck of the sac and ring together, you distinguish its form and edge, and intuitively appreciate the allegalities nature of the assumbless union. You carefully penetrate the ring, the strategic point is wen, and success noticed.

It is almost axiomatic therefore: In all drangelisted reptores, make the mass your other to the out, feature or makes over out the other to the also. This year colors be choose of injering the based to the served aminuse.

ESSAY.

MALARIAL DISEASES CURED WITHOUT QUINISE

BY ARROW DESIRED. M.D., BURNINGAN.

Gustinens of the Photassios --

At the Annual Meeting of the New Hasen County Medical Society, held at Waterbury in April 1838, I read by appointment a paper on the "Treatment of Interminent Power as all its forms." Harriedly written us it was a only also lovel forth general principles as deduced from careful clinical classrywhen, and also close and studied investigation into all the facts as evinced and established in courty-reduced individual cases, and these, with me, barebeen many within the last twelve menths. Since the pulsuestion of that paper I have had numerous letters from physiciana asking me to be more specific and practical in my Therapouties in this disease which has now become so common, so much dreaded, and so wide-special in certain localities of our country.

I may as well say lace, although I used to administer it tuttle is beared better, that the popular and provalent practice of localing malarial patients with quinter in some form or another, now so fashionable among many leading physicians, among druggists, and patients thomselves, who take in horse does this medicine, on the strength of their own procesiptions, has so sympathy nor sinction with the water, who has he thinks, a lar better, more pleasant, certainly more successful mode of carrier this disease, which will presently be shown.

The "Cinchona Officinalis" of the shops, now in use more than one hundred years, is varied in an qualities, as shown by different authors, as pharmaceutical preparations remorrous we having at least forty officinals which are kept in every full and well regulated drug store. Farty officinals from the acutate of quitine all through to quarquinia with one effects, while the various combinations as sessething new and somebrial, like some parent modicines with high-normal up, meaningless coined names, belonging to or dislort, are being duly forced upon the probation, the public, and the druggests "for trial." Their number, like the locuses of Egypt, is legion, and for the regular production to accorde to the wishes of the window of these ophicus and proparations is simply emperion. I do not agree quinite when properly indicated; though an communition, especially in malarial districts, I believe is on the increase. In one town in this State, with a population less than Dirly; a reliable salesman showed me his monthly sales of quintes yet so to one drug store, which uncented to 52 ocnors, and he also informed me that he know of one physician in that town, I might as well say city, who averaged daily somety-five roopes for malaria, all committing more or loss quinne. Fifty-two somes a month, mind you, only to one ting store. As I am dealing in facts, I propose to come a little nearer home. Derby, with a population of about fourteen thousand, has six drug stores. I take me for the average, which wile about twenty ounces of quinte a month without the comprises. The would give the uses in Derby monthly, my at least 120 mmoss, and yearly, 1,152 ounces, refused to pounds, my about severagetwo. I do not overestate the facts. If comitive, why is the alministration of this drug contimed from week to week, month to month, and your to year? I allede to this sale of qumine simply to show hew universal its me. while I might say, this malamal atmospheric posson, is still "mas-ter so the situation." A dose of quintas, a brink anti-busous calibratic, or many proporations, I might mention, may stave off the chill and if the system is not too much charged with the pulson, the powers of nature will fully restore the patient to a leading standard. The chills and sympathetic disturbances so tommon and well known in malarial affections, are not the disease; this and its proximate cause lie back of these symptoms, and are found in the blood and its great deparator, the liver. I believe this to be true in erery case of purely unlaried disease, and I carnot better illustrate my views than by enting you in sample about count more that have clearly and unmiscalcally, been rared by my course of medication, where morels and years have signally falled of ourse under the old orthodox practice of crowling the patient with quinine or seem of its preparations. Why, whole families, to their defragent, are fiving on quintie the jour round to my knowledge, and in this way dragging out a forced existence which will sittmately break down the individual who includes in it.

I give you mostly cases, rather chamic, long tried, with only temperary relief with quintie, as the principal remedy, and this should disarra you of unject criticion, as I do not understand may propose to be quintonic, but what is doubly more calculo, both to physician and patient, precised, and with their denotory remarks made in the spirit of a manual and common benefit to one probasion, I give you as the first cose, the following from my memoriaditio notes.

Mrs. C. S. J., age 34, of nervous delicate constitution, sented May 15, 1882, with typho-material lever. A previous attack of malaria had warned her that no-preparation of quintne could be tolerated without the most unpressent, if not injunous effects. Interode, rimvelec, rapid pains, high temperature, deliram, etc., about 2 is a every afternoon. Contrenced treatment by giving small doses of allows and sub-marate until tree bilious evacuations were procured, and as an anti-periodic gave arsenious arid, . 1., gr. every three bears. To reduce the pulse and lower the temperature the 50th grain of gelerninum rad., with a simple tonic of exputerion saliria, will bi-card, soda as elemach would bear. She superved, but even relapsed, and her case became slarning. Great prostration, dry, red surgue, no decided shift, but occudenally cold sensations along the upine, and a variety of symptoms not easily defined. Continued same treatment, with the addition of the following tonic mixture, which I have used extensively as a substitute for quinne or any of its combinations, minetimes addiing or-dimmidning some ingredients to said parisas or a given case.

Rid Gentius,	Sim.
Bal Colonia,	211
Semi Child of ma.	11
Sem. Anim, 1	33
Sent Fornic,	31-
Sen. Cardanon,	311
Cori Asrant	300
Halleton,	3.10
Soda Bicarly	300
Print Soc. Allow, Opt.,	Jan
Pub. Itled., Opt.,	31.
Bul Serpentaria,	31
	Sem Carisi, j. na., Sem Anim, j. na., Sem Pionic, Sem Cardamon, Cori Aurant Salicins, Soda Bicurle, Paris, Blad., Opt., Paris, Blad., Opt.,

M. and greed in door with.

Find Extract of Equatition 5: it be added to the day powder when used for the Toric mixture.

Take I owners of this mixture, pour 2 quarts bedding his water, steep showly over the store 30 minutes strain rel, and add 1 past of good spirits, and bettle for use. Take a mail winegianful three or four times a stay. If the stimulant is objectionable, make a weak influence of the Tonic mixture and use as the stomach will tolerate. This treatment was continued with little variation up to September 1st, and the pulicit, though long feelds is now in the enjoyment of better health flux for years previous.

One word here to relation to gelevations the reflew jasmine, a deadly poison, but a most bountful climbing plant of the weeth. Its virtues, as you know, were accidentally discovered through a mistake by a southern planter, the root being used in place of another in certain fovers. The Mindseigni planter mod it extensively on his plantation in fevers of various types, this "the imegulars and "effection" used it fresh, and finally its meets being thoroughly tested, the regular profession adopted it, and it is now I believe in pretty general one. I regard it as one of the most valuable remodial agents we have in the treatment of pyrexial disease. It is an arterial sociative, restaring the force of the rirculation and lowering the temperature of the body to its normal condition. I give it in nost febrile disease in one-fiftieth grain dozes,-if you please. Warner's Parrules every two bours and the desired effect is produced. You much not take my word for it, but if you will give them a fair trial watching their effects clurely, you will find that I um not unidenting you. I have used them more than a year in pyrexial diseases with the most natisfactory. results, and do not yield my experience of their properties to those who have never tried them.

Mrs. E. D. of Berby, spect 67, mother of eight children, in apparent good health, though feedle at best, was suddenly mixed in the early part of May, 1883, with homiplegia, loss of speech and saind, face drawn upon one side, expression idiatic est. As the soil of about thirty days also relied and at about 2 is at every other day she had chills, excessive varieting high latter, profine sweats, etc. I pronounced her case marked inslans and at sixes part her upon alterative shows of also and substituting, often repeated, until free billions discharges from the boxels were produced; reduced the immersion and attend correlation with geleconium, and during the approximal stage gave simple aromatic tonies, with suparterium and besuch, sole. In less than one week she improved. I then gave bee the Tonic mixture treationed in case first, hosping her bowels open occasionally with alteratives. She has permanently improved, and now walks the streets with a more elastic step than for years.

It may persist the pathologist in his diagrams to say whether the first attack was malarial or that this was superinduced by the former, but I are inclined to the opinion, that as a complete comhas been effected by what I desire appropriate treatment in pure malaria, that this was the results in the beginning. You may differ with use, but if physicians slid not disagree at times in their views there would be less study and research into the true effecting and proper treatment of any given perplexing discuss.

Called July 9, 1883, to see Mrs. S. H. P., seized with prolonged congestive chill, threstening fatal termination. Age 53, a bardworking, industrious woman, who had rapided in York State three years and eighteen months. During this period she had been the victim of chills and Server. Some days sho had taken 70 grains quitilite, with increased dotes on subsequent days, and still the thisense continued. She had chills and fevor arms a week to nonetimes only suce a fortnight. "What have you sales, Mrs. P., all this time?" Pointing to a bottle on the newtel piece, marked 100, 3 grains Sulph. Quinine Pills, sho said, -I have token that stuff until I have about lost the nee of my lower limbs, my eyesight, hearing, memory, and auderion, but this is the worst chill I ever had, and I shall die, if I have another." She was sallow, radareross and emutated. Circlelly weighing for case, its libbert, etc., I concurred treatment with most down of alone and submorate, and affaced the distressing constitutional grouptons with geleonium. Copious billion neamables set in 1 accounged thou, and then jut her upon the Toxic mixture with associated alterations, and from that due to this she has had no chills, but har general health is all that could be discred. The good severals made me a present of fee Surnin quining pills, and I keep them to look at. It is proper to state that this putient continues the pseof the Yoric mixture, organizably with alteratives, when needed.

Mrs. H. W. R., aged 18. September 17th, gave both to a shift ofter a technic latur of 16 hours. She was an incommonly smart and healthy warmer, houring warriely had a sick day from both up to the time of her confinement. On the third day after this she was acted with prolonged chills, somiting deliming, checking of the secretions, techna, etc. As her broads were much evolve and painful, I attributed the chills to this, but the next day, about 2 r. u., another shall, as above, escurred, with dry tlabby tengue, dark red edges, solve look high fever, endocrassing cough, and seers apartons indicating scotous if not latal malaria. A tremoudous pressure was brought to bear on me to give quintue in large doses, but I assured interested particulata this was not the remody. I gave bet instrumed interested particulata this was not the remody. I gave bet instrumed until free executations of bile began, used golsenitrum to equalite the correlation mild around to tente with becarb toda, etc. Chills and fever continued malasted intil the 5th day, when the lachts were re-established, the lacked secretion became abundant, and convalencence was rapid, and patient has had no malaria since.

Mrs. J. C., of Dieler, age 34, mother of 4 children, establish tionally delicate, and of nervous temperament, had been a victim to shills and fever two years. She was treated one year in Derby, consulting the best physicians in New Haren and observers, and one your was with a friend in Hartford under treatment, and all this time site took searesly a prescription that did not contain largely oninine in some form. Exactated, yellow, almost deal, weak confined to her bed much of the time colleverous in boks, is a density resort she fell into my hands in Jacoury last. I come menced treatment with small storm of alone, with arounters acid rl., green as an antiperiodic. Galuminum when moded, and the Tonic maxture taken every day, have been the principal resudies, and she has not had a chill to any unricount effects of malarta since the end of my first work's treatment. She is growing tholly, walks to church and tells un six has use felt better in four years time. She is cared after having been attinued two years with no permanent robel.

Miss A. D., of Huntington, agest 18, was authletily accord these 7, 1863, with obtile. Two physicians, her unries from New York, both skilled and onloging increases practice, impresent to be in the meighborhood on the day of the attack, attending the function of a relative. They mannered the patient, and pronounced her disease typic-enalized presences. Early next morning the father of the young lady called no up and with a somewhal lookered, a Doctor, I am going to have my daughter," at the same time handing use a card from the occlors, inscribed as follows:

"Temperature, 118; Respiration 38: Palm 128.

"Left hing deeply involved, as you will find.

"Would advise yors large dozen of quinting and such other retardies as you think book."

Parient hved five miles out, and I mule haste to see her. On examining the case I regarded the diagnosis made as correct. I did not however restars upon the "large desse of quirins" but gave her alteratives of alons and sub-murists, until I gut objects discharges of life. Covered the left long with a large blaster, and reduced pulse and imperature with generature. Gave tonics and diffusible minution indicated. Six improved, and on the 9th day from the ustack, she was discharged const.

In the same neighborhood, F. W., aged 21, had yielest chills and fever, of terrian type, which had lasted him one work before I saw him. Gave alteratives and the Toute reaction, and in five days he was entirely cared and he continues from from chills and fewer up to this date, new seven months.

Mrs. I. J. of Derby, 31 years of age, delicate, thin, of spare bahit, affected with incurable cough was word with chills and fever in December, 1883; of bening type, paroxyon prolonged and violent. Naturally and from education arome to any kind of melication, after suffering two weeks or more despairing of recovery, I premiled upon hor at last to let us give her simple. remedies, assuring her that me mellicine would not be so bul as her shifts and herer. I gave his small shows of shee and many from, A. go, more golsentinum when needed. As some as her storouch would have it, I used the Youic mixture, with according diet, and she has not had chills and Jever since the fifth day of my treatment. Her husband assured me only a few days ago that her boulth had not been so good as it now is within the last five years. What is rather singular in this case, beyold chronic cough seems to have almost entirely disappeared since breaking up the chills and fever.

Mrs. II. of Simmingham, aged about 50, was acced with congretive rhills in August, 1883, with mineral remaining dry tongue, dark red edges very salliest countenance, showing great prestrution, pulse 124, temperature 104, distributing cough, and at times delirious. She was accustomed to arrane and frequent attacks of malaria, and quinties was always for remody. I communical treatment on my plan. In my abouter she had mother chill, more violent than the first, and her tomily bring alarmed, a neighboring physician, paperlier and in full practice, was called in, who suggested for my approval large does of quantum, but I did not adopt the suggestion. Prognoss was decidedly uninversible, but the patient railed under my alterative and tonic treatment and cuttrely recovered, and has bud to ghills and love since Aug. 20, 1842.

Mrs. P. A. O. of Huntington, came to ma early in January, 1884, and sold she had a daughter in Fairfield, a wheat-to-other, suffering with chills and ferry every work as two, and test been so for these or four years. She had taken quirene until a had no offset except to disturb her heating, head, becomelous, etc... Without easing her, I prescribed above and substitution. The field of May she came to use no exper, and soid for mixture. The field of May she came to use no exper, and soid for daughter had not had a chill since the first week after taking my nestistees, and wanted to dupleage the coster for more of the same sort. She is still (see from undate).

Mr. C. D. C. of Dayley, for one year surface the quintum treatment above doily, ago 25, good balous, this in thesh, sollow look, one. As he had level on quintum a year or more without cure, I persuaded him to try my plan, and I put him upon also and submurate in small dome, often repeated, with Tonic nexture, and in less than a fortnight his malaria was gone, be an grown fleshy, and for the last tire manufactinglyed good health, and says. "No more quintue list me."

Mr. J. R. of Derby, ago 68, vigorous, occupation house-carpenter, in April, 1881, that paralytic stroke; that been lighting malaria for more than a year with quinner. I regarded his case as malarial, and troated his assertingly. He seen recovered and went to his work. In Polymary, 1884, he said to his write, all feel like the chills again," and on the 21th of some mouth had a severe stroke as immplagic palsy, with complete loss of power is moves of sensation and volition, incomessors, (ctorode, helpfore, involuntary melanges—all his symptoms pointing to approaching dissolution. Still regarding the attack as malaria in the backgrouns, I treated him as such, and to my great surprise in less than four weeks the man was able to be about again. He can talk and a now at his work, or the end of ten works from the attack. I submit it to your judgment, was this a use of pany or malaria?

Mr. A. L., age 50, a butter and professor of music, was secred March 15, 1884, with properly shills, which had troubled him for essential days. There was great difficulty of treathing, more countermars, try and tongue, delirates, pair in left side. Temperature 163, responding 44, and pulse 129. Twice before, the left larg had been broken down with circumstrated poessoning, and little hope was given for his recovery. Covered left lang with large blater, gave blue golescommun. J. gr. every two hours until I reduced his temperature to lost, and the pulse to 74, and neptration to 32. After the third day patient could be down, and prognosis was more favorable. This was alonely a case of typhomatarial promount. At the end of less weeks to we able to tide down town. His remaining was finitely, alternives, galactures, Tonic mixture, and diffusible stimulus as indicated. You will see by this time that I am not larged in meeticine, and the I down important in almost every tehrile discuss.

One patient from the vicinity of New Harrn; Mrs. S. W., has taken over one hundred prescriptions within the last 15 months. all containing more or less quinner, without runs. Under my treatment, with small dozen of alon often repeated, the Toxic mixture, and occasionally a mercanial alterative, the malaria has estirely droupewerst, she being free from it for the last five months. She was emacrated, sallow, full of sympatistic pains, and was having chills and from every low days when she commenced the alterative treatment. This case is one of mury, and fully illustrates my thora. I remark here with regard to the mercanida I have used in malartal affections, that I have never known their specific action exerted upon the saltrary glands in a single instance. Every case of malaria however, needs to be studied, admiting the treatment to each individual case, as every justicious physician carsee for himself. One patient requires a brisk anti-hillors cathartic, another more delicate and reduced calls for small slowered alone. at first, and meetic as an anti-periodic, whose a taind should be carefully watched with regard to constitutional predisposition, complications with other meetal conditions of the body, etc. These should be steadily kept in view by the practitioner.

Mr. H. W. H. of Bostington, was seized August, 1883, with typic-material fever; strong, vigorous of full liabit, age 22. his attack was muscally severe, with grant prestration and violent definitin, constantly up to the 12th day. Mercarial alteratives, getsemirous, counter irratuats, mild vegetable tonics, nourallying diet, and diffusible stemm, make up the treatment. He entirely recovered from the attack after four weeks.

Mr. M. H's two sons, on White Hits, Huntington, aged 12 and 15 years, but been quintised, the former three mentile, the latter two months, for malaria, without cure only for a day or two it is time. Early in January, 1884, they fell under my treatment, which was simply aloss, and subministe in small doses, often repeated. Tomosulature, Eupatonium and generous their. There has been no malaria, or my symptoms of it muce the second week in January. Such cases are very common in my practice. I should have remarked before that I prescribe Eupatorium in some form, in all cases when the stomach will lear it and can instance more than accently five families in and out of Derby, that are using, with good results, this valuable prophylactic against malaria.

My list of peoply maintal affections, closely marked under my treatment for the list 16 months, busides minor uses, numbers 161. It would tire your patience, besides it is entirely unsecessary to illustrate further, by citing mass in which I have not given or allowed, to my knowledge, we particle of quantic, or any of its compounds. I have witnessed only three cases of malaria proving fatal, and these were complicated with organic sustant. Every case that I have detailed to you is an average of the whole and can be tally version by high patients who have been permanently event, after being long and unsuccondulty question. I am simply giving you practical facts which cannot be gammayed.

Mrs. N. M. B. age 68, mother of sown children, in good health, was sexual April 16, 1884, with complete palsy of left side; congentum of left ling loss of speech, most ste. Kvery symptom indicating total shipscreek of the mental and physical energies of the body. It was in a malarmi district, and as the son of this woman, in the same bouse had had meabed malaria, I suggested this might be another case in a different form. I was languest at; but the patient grew weaker for three weeks, under treatment usual in severe palsy, had a chill having 2] bours, poles 140, temp. 103, respiration, 44, sauses, counting, great prostuation, etc. I at succe put her under treatment appropriate for malaria, such as mercurial alteratives, galaximum, Tanio mixture, etc. In a few days she accomished her friends and family, who had abandoned all hope of her ninimite recovery, by slight improvement to her most alarming symptoms, and she unstituted to improve outst site is now able to walk

from her nek-charater, clothed in his right mind, with every neopert of complete resocration to braids. This case is interesting, and fully dissirates many reliefs, mater the trace of " audicial diseases with their complications in all their forms."

I matance one family is Deeby, when typho-malarial filmace, in the first victor, age 21, proced fatal in fourteen days from the sitist. The patient was here'easily treatest with literal closes of quinter, and by a skillful physician, too. In this more family litemalarial cases of similar types to the first occurred, and the treatment in eacy case was successful under my course of westigntien; not one particle of quinties being used in either case. These cases, and they are energiable of proof, speak volumes in favor of the con-quintie treatment in pass malarial affections.

In one family, if, if of Derby Naprows, five sick with malarial affections, three yielded to common alternative treatment, and two required above and subcommitt hydr, in small doses, and american sord, player, doses for some days. This whole household, five at monter, all seckoned with ground malaria, were entirely cured without one grain of quintine being taken, and continue cured to this date, now for months. I could multiply those cases in detail, but deem it annocessary to do so in order to establish my relation to quintin, as a non-curative in genuine malarial diseases.

I will say here that I have not non with a single rase of pure malaria, except three, that did not yield to my treatment without quines. In these cases, complicated as they were with organic disturbances, recovery was prolonged, but finally successful, giving use the great satisfaction of fully correlecting my position in every case of instanta for the last year or more, coming under my absorbation.

I have thus, gentlemen, volunteered my experience in the treatment of malarial diseases, diagnosed and treated as such by other physicians as well as myself. This relieves too from any charge of coming cases for the sake of illustrating my position, and with great respect and all due delicenses to your limiting, researches, and wisdom, I could not small before you in the advocacy of my views, if they were not well grounded on the principles of inductive philosophy which I regard as the principal basis of our profession. Theory, however ingineers, extentible, or instaphysical, amounts to making inless the rementy proposed is practically tested on the laying liber. Many of our most rainable rescales

are the result of accident or blind adventure of some ignorant presender but none the more to be despect or ignored when improved, and properly administrated by the careful and judicious physician. Without reference to broke, without attempting to be adollated. I have given you in the planest language what has come under my own observation, at the best site, and as you may differ with me, however, sell famor you will. I claim from your indulpeace the merit of believing as bosest, with no other object to view, after more than talk a contant's devotion to the sick and afflicted, than a common benefit to our problems, and to those who may be so unfortunate as to be planed under our care and skill for mediation and for one.

In straintist, I have endoursed to make myself understood in a gradical sense, without theorizing or saying anothing as to the origis of malarm, for these kays not been my province. I am so firmly scabbabed to my convictions that I us right in the treat ment of pure maleria, complicated or uncomplicated, marked or mmarked, that in no case have I used one particle of quinine or any of its compounds, now almost numberless, within the past 18 months, with what success my record shows. If I were to give you 100 cases in detail they would not justify my treatment more than those I have already given you. Individual cases must be studied. The weak and delicate in constitution, in pre-disposition, etc., require notif medication. It is not the amount or frequent clarge of melicines gives that even but the proper adaptation of remedies to the individual patient in charge. After studying and watching olivinol facts for fifty two years, the young and architions physician of to-day may look back through the dim retrospect of the past, and see her himself how even) formithide discuss he can care, with a few simple and well cheen remedial agents.

DISSERTATION.

THE GERM THEORY OF DISEASE

Br N. E. Wumes, A.M. M.D. Bancarast.

The true man of science is perpentially striving for a better and closer knowledge of the world around him, and as science and art have paranitist instruments which enlarge his ken be extends his knowledge until it. by computation, extends to infinity in space, or by deduction to the inflaitely small of created things: Kepler we point the telescope, moover the laws governing the heavenly bother and exclaim, Oh God? I think Thy thoughts after Thee! With the spectroscope we study the stres, and declare the slars are sisters to our mother carrie. With the microscope we find wenders within and all around up and are led hesceforth to call nothing small. While the instruments that your appeard attract the extential year of cough, those which are turned within allow and profit the executific physician. Thomas heretolics undissemilée, discusse bitherto unasseguitable, find here their open sesame, their secrets mental, their menteries made known. the corport physician is not content with stilling pain, with staying the discuss, with saying even to grim death, as sometimes he may, thus far shalt thou come and no further; he desires to my to sicknews and to main, let go thy hold; age, ottne not near,

The study of the causes of disease is now advancing to the front. How to keep off these estimate occupies the best and most progressive thought; we seek the prevention, better than the care. Here experiment and theory have expended their affords batterious vain. Nothing has yet not all requirements and answered all tests. We experly grope, and cornestry catch each hope thrown out, only to be disappointed in part and only to try again. But within the past decade has appeared a suital germ which would

seems to bear the tree of life. Its fruit may be as disappointing as the applies of Section from it so may gather griden barveets each as grew in the fabled garden of the Hospettles. No more interesting subject is now before the medical profession of the world than that of the garm theory of discuss, and although I may be able to other nothing use to the much which has been written even since the last secting of this society. I true that the subject, brought before the physicians of the State, may cause carnest could consideration, and that this little pebble, east not studently into the great guif of thought may make its widening circle full upon the marrest shore.

The investigations of only a few can be considered reliable. Much expense is involved and much skill required to manipulate microacrossed powers high enough to define objects endow inch in diameter so as to demagnish the spherical terula, the micrococcus of isnumerable species differing in stage or mation, the red-like lacterions or the vibrio constantly changing its form. Foreign governments by herish andowments make it possible for Pasteur or Koch to live in their laboratories, supplied with all necessary. equipments for their work. They have a skill which experience alone ran acquire. New are they in this country who can gain the position which shall outside them to my notherity on the subject. Let it be sum, then, to lobor, as we can. We must at least eater into the labors of others by conqueing results, contrasting arguments, using improjudiced minds in drawing defactions, striking at weak planes in the standing of either advocate. Leaving out of consideration for the moment the result of microscopic investigation, the actual discovery of microbes in the circulation, in the various glands and secretions or in the sputters, there were to me to be certain rememor analogica for believing the germ theory of eliquie in he a correct one. I say a correct one, for nobody pretends that it will appoint for all the ills to which flesh is heir.

Ever since the discovery of the torsin or yeast plant by Schwarm by 1821, with the coulds of its growth by Prof. Huxley, and the important and thorough consistence in homentation by the indefinigable Pasceur, the air we breathe has been thoroughly studied as a carrier of germs. That it is no, Prof. Tyndall, by a series of brailiant experiments as simple in conclusive, has proven. Mold, formestation, doing, are no longer thought to be dead elemical processes, but results of arrive the the rapid multiplying of infin-

more of them take next and given by one substance some in seather; these which do not find the poculiar nontinear they need, period. As the source produces only take and the date and sought but the branching pales, in the manard-west bears its own buth and the thy both its praceful flower, as every germ "after his kind." This is the law of nature whether manifested in the vegetable or animal kingdom. "The word-norms germs talling upon the outlast of break or channe, or preserves, given into along forests of pends and controlls and topics, which we with our coarse vision and rude observes others, contemplaterally means took!"

It is claimed by advocation of the gorm theory of disease that disease in particular, are produced by the introduction into living organisms of minute paradile forms of the and their subsequent multiplication, to the destruction of the vital functions; then each disease has its specific germ and that whether in Partic or Paragonia, Siberia or Scotland, the microsoccus of diphthesia grows in librors murabume, the harding artifracts nodes marginal paradic, the germs of typhus and relaging forcer form each their countries. Everywhere each germ posserue its own (haracteristic term and mode of increase, grows always in its own field or solds, countries to cultivated is any other and may in some cases be subjected to great variations of temperature with out too of vitality.

Describe at first multiply with accoderful expedity. Observation has shown that a bacterial generalise can arise on the course of about an boar. Oaks determined that in twenty-four hours one terration would accode a vision and constant millions of its own kind. Like all bring beings they can giver only at the expense of the feed which they common. What have myrmals make in the congental soil of meny bodies is too often over in cases of diplithes me, tatal in overny-four lower, or obvious in overs a shorter time.

As with the green to with discuss, and this one of diphtheria marks the analogy as closely as my. To prevalence in all countries, its existence among all classes, its specificity, as introduction man a new plane, even a different resumery through the medium of those affected, as it is known to have flore from Boologue in France, account the channel to Folkontons and Dover, as being anotherneed by classes or occurs in affecting and every our last those, rich or poor in whom it finds a trains, its greater virulesses

in the outlier part of an openionic the parts of the insecus erraterans exposed to the air or abruded with being especially liable to brighested, the rapidity of development in some cases, the long period of latency of the infertion, the very positive militation of tensionary conditions, characterize the discuss as we know it, they are now brails of the bartieria as others have told them to us . " If from the deposit on the bottom of a could in which growth of germs is progrousing, a trace of the fermion by taken for starting a foul growth there will be no difficulty in using that the first again of action in each series appears always later and later in proportion to the length of time that has slaped since the corpmeasurement of the tenginal one. In other words the time segmeeary for the development of the germs varies with the state of the impromating cells and a larger in proportion as the cells are further removed from the period of their formation." If cultures be repeated at intervals of months instead of days, their virulence is granify altered; the former produces the disease with virulence. the latter with mildress. So in an epidemic of disease; the first cases encounts as if struck with death itself. Time softens the servetty and then occur cases which result in recovery. Manufes alieund chiefly in unsurvary conditions, and thehel has discovered that the curve representing their commons in the attacephore coincides with the curve reyessenting the prevalence of infectious disamont.

Again, it takes a longer or alcotter time for the development of the spore in the system after infection, which is analogous with the presentatory stage of inculation. The felicile state corpupoids with the full development of the become, the period of convaluences with their gradual decline when their food is all exhanced. So closely do the life, growth labits, and death of univolve resemble the beginning progress and decline of distance. So chargly do they correspond (and the patient is no faccied one), that many phonocous of discuss can be explained in no other way than on the theory of transmitted germs.

The strongest opposent of the idea that air is the carrier of greens in Prof. II. Charlton Bestian, the advocate of spontaneous generalitie. The doctrine of some some came from the immortal William Harvey. Lecuroshnek, a little later, with his rude microscopes, explicitly took the same position, and I think we may safely say that there are low who do not now accept the

opinion. But that the siz contains garms and hadon lobb organic and incepante to capable of very salisfactory demonstration. The macroscope detects in the disc of rooms various excrementitions matter. On a day of last mania, when the almosphere had a coldy sollow glare, and the sun was flery red as if of eminous portent, Dr. C. C. Godfrey of Bridgeport, by means of a microscopic shife covered with publish, determined that the came of the phenomenon was a lorge flow, for the not were found to contain minute einders caught by the golution. Fiel, Darwin, during his five years' toyage in the Southern Hendaphese as unundento H. M. S. the Book, at an early period of the voyage, 1832. collected influential that which fall on the skip when at sea, and he notes the suggestive fact that in similar stret-collected on a . vessel three hundred miles from land, he found particles of stone above the thousandth of an inch agram, and remarks: "After the fact one reed not be surprised at the different of the faclighter and smaller sporates of cryptogenic plants. John Burroughs, writing in his beautifully quant way on "Naturein England." * says: "The walls of the old coultrs of cathedrals support a variety of plant life. Un Nochmber Chelle, I was 19m. or three species of large wild flowers growing one fundred first from the ground, and brupting the tourst to perilsus reachings and climbings to get them. There were to be a kind of laser soil. Builting in the air. If the rame were not heavy coough to close them off, I have no doubt that the words of all buildings in England would in a few years be covered with our and that dishimand butterengs would bloom upon them." The constant appearance of somme forms of vagetable life could not take place so invariably were not the spores of the fungs continually present everywhere. Every good housewife furnishes a demonstration of the existence of germs in the air and the injurious results of their growth, when by boiling and careful filling of cam she destroys such sources of fermontation, and shifts out access of other air from the treasured sweets. It is not the air but the germs in the air which are the ferment, and Prot. Huxley argues that there is no mode of explaining this universal and invariable result, but the exclusion of perms from the case

The United States Nary is servely interested in the health of

^{*} Consey Muncles, Strenger, 1903, p. 130.

man, and looks for the best system of vontilating and panifying hospitals and ships. Analyses of air and mater have been mide at several raval stations, principally Washington. The air-dust cellected upon stoles and watch-games in various parts of Washington, contains a mineral stud, delens of vapitable tissue, filess of rotton wood, silk linen, hemp, etc., erales and autonome of meets, particles of eve, starch grains, minute highly refracting data, pollen grams of surious knots and certain regardard forms. which appeared in abuse overy appeirum examined, and were attributed to be microscop, "Epithelium," Surgeon Kölder reports, "is always and severywhere present in the sir." A form of pollen found is of special interest, in that it was cheeryed to be present in great numbers in the name secretion of a case of cutarthus materia in August test. It resembles the policy of a grass, and was first noticed in the air, August 19th. A site having been selected for a naval observatory in Washington, examinations were made to determine its similary condition. The water of a well upon the place was found to contain abundant buctoms, while the organisms nearly found to potable order were about. There was ground for suspected of sewage continuumston. Subsequent examinations showed gradual disappearance of humana until after shout six weeks they were no longer found, showing that the impurity was not due to any personnel rause, but to worse temperracy and accidental source of communication. The actual containmation was subsequently found in a conspeed which having been cleaned out previous to the survey was found to be lined with increasined back so broken in places as to permit of lookage,

From what has been and it is overless that if disease is not proferred by the invasion of the blood or viscous of the pursual, by a parasitic regulation, if is not because of the germs from which such regulation might spring.

Let us next consider what has been already meertained from the effects of parasities or gorns infesting plant and animal his in the plant world those is a constant struggle for life between the plant and fungs. So it is between the microbes and the human body.

It is claimed that all desires of plants are parasitic. The fact of the universal pressure of eraptogramic species is made manifest -

^{*} Sanitary and studies of the Surgeon Greenest of the Navy for the year 1975. Garagement Printing Office, 1-01, p. 49.

by the promptness with which foregold growths spring up whereever a congrecal temperature and the presence of some organic substance suitable as a nidus and farmisling proper food, are found. Peculiar forms of fong: appear on particular forms of organisms and nowhere the. Among the most familiar of these are the diseases of grain in which the kernels become converted into matters of black powder, and which are popularly called courts. The restorof fungs to winch the sums belong, is Ustilagrams. They indeed lading corn, wheat, rys, and tate. The Unorgan equals is the anion-smut which has caused great haven in our own State. Here also, we can carry out our iterate analogy, for the spores of many of these quetes genurate at core; others require a period of res-That escalent Augentality, Solumna tuberosum, the exenuen potato, affects the best example of the strangle between plant-life and hugi. The principal insect steemes of the potato are the stalkhoror, the potato-stalle starrill, the potato-worm, the three-limit lenf bootle, the encirciber hos beetle, more than built a doors spegior of histor hadles, and the Folorada heetle or putate bag of the prosmi day. In 1843, and again in 1845, the potation cultivated. in the United States, as well as in a great part of Europe, were attacked by a victori disease, which, in the course of a lew town. cancel whole fields to become black and rotten. The general disection of the epideoso was from West to East. The source of the trouble was at length found to be a paractic langua known as the Peromaporon.

It is from the study of parameteria animals that the germ-theory had its origin. In 1977, Learness seek discovered the germanorous Bacteria of the various forms were that recognized by him in 1684. In 1779, Seamer communicated to his teacher, John Hunter, his telest in the truth of cow-pex as a perventive of small-pex. Casumir Davaine discovered the bucillus antimacts about the mid-tile of the present territary. Baset, an Italian, found the muscar-dine of the silk-worm to be a fungus resembling midd. Pastour directed his attestion to the dark paperry spets, the pibrine again the skin of the silk-worm and accertained them to be a parameter fungus hereditary is nature. The prompt destruction of every indected allowers stemps out the contagion, and prevents any interference with the progress of the industry.

Plants and annuals are injected with parasities. Coming up in our gradation of living things, we reach mankind and first this paragon of animals, like Captain Guilliver in the land of the Utilipara, territord by minute objects of which he tries hard to rid himsuit. We used only mention the Otlines Albicans of Thrush the Sarcius contrient found in matters thrown up from the stormets, the Aspengillus glaceus affecting the sur, key asthron caused by polion and other irritating substantial fouring in the air, the skin discases of the Favos type of parasites, the Acastus scalini, the Prichina aproxim and the various forms of Term infesting the intestinal mand. Why should us not go a step further, when remon and analogy lead thirlier, and all scientific investigation, which is the nest demanded in our day, gives token that in this way lies truth.

Edo not need to give the results of the labors of Pastour and Koch, of Eberth, (Ertel, Cohaholm, Gentle, Sternberg, and Wolch, I believe that germs have been proven to be the origin of some diseases more incontestably than many scientific facts now gently ally accepted as indeputable, have been proven. Not more surely do we know our solar system to be but one of many systems revidying assumi one central ent, not more certainly do we know the elements which compare the stars to be the same as the compoperts of our earth, not more clearly do we see that this lines in the necks were carried by the lowliders of the glastal speek, artion the valley of the Mississippi was come a vest related was then that some of our infectious diseases are sown by nimite groups. The testimony of the rocks as not more clear to us than the testimony of the air. It is well to question, that argument and proof may be trade classer or fully controverted. Under date of August last Prof. Widely writes to me, "I un myself a believer on rational. grounds in the perm thispey of infectious diseases, but believe that the theory has been demonstrated only for a few discuss, the best known examples asing anthrax and taberculton, to which may possibly be added relaying fover. I think that the bacillar or give of interentors has been proven more actifactorily than more of the doctrino in medicine. The bastlins I that in the appears in all cases of phthics, and under neighbor circumstances. Its percent malour is sometimes, a valuable and in diagrams. I have presently found the building in you from a whole swelling of the kine-joint which had more been opened before the withdrawal of the price proving that the joint affection was interrulous."

The war now wages on the coldect of the burilles interestions,

and Prof. Formad seems to be the only defender of its non-infertrouspess. In his published articles, however, are some statements to which I beg leave to take exception. - Pulserculosis is an in-Summatory process within itself. 2 is the natural and only kind. of inflammation a scraftless being can have. The evidence of those who have had a large experience with consumptive patients. is is perfect appoint on to the lafeet or through of phillists. This I think, is of more importance than experiments in the lower animals. The alleged fact that occasionally the healthy wife of a consymptise Irestand acquires phthiele (or the reverse) after prolonged coladitation, can reasonably to explained by the presumption of an acquired expeditions from physical effects, minory of life loss at sleep," offer, etc. But from Dr. Formad's own city, Philladelphia. we have testimony somewhat conflicting with his. The discress Journal of Molicel Science, 9 of April and July, 1878, contains two articles by Des. W. H. Wolfe and E. Hoblen, on the subject, "Can-Philisis be communicated?" Galen, Unifers, Hebenden, Norgagei, Leence, Andral, Bright, Addison Coplind, Drake, Dickern, Build. Walabe, Beale, Bowlitch, Plots, Stilly, DuCoria, and others, are amented to have expressed an allomative opinion. Dr. Holden obtained, in answers to circulars of inquiry, two handred and fifty roples from leading physicisms in various parts of the United States. Of these, one hundred and twenty six affected their helief in the communicability of consumption, severny-boar gave a negative answer, and fifty were in doubt upon the subject. These data, derived four years before the presence of the lucidus was known. have the merit of being unprejudiced by any opinion connected with the result of that discoursy. Beports from our own State are of kindred agradience. The Semenay of the Board of House. of Connections, on page 75 of his third annual report, states that only 24 per cent, of cases of a compation are the to hereditary tendencies; the rest are essent by meanitary influences the chief being beatling impare air, and especially relenabling that devitaleach by convernor mather person's lungs. This is shown by the greater prevalence of concumption among men when they work moves, and women out of doors, and the peners, by the statistics of prior 1 lo, and the plotted armise and regries of the world. An important clining of the constitute is well receiving, and damp ill-

^{*} And Josep Mark Stollmoon, April, 1991, p. 400, and July, 1979, p. 189.

drained etter for homes have caused many needless deaths. Certain betters nyarually unlike constmption to any families that line long enough in them."

"The only less malwine practising at Noremburg, a healthy lown of 1,380 inhabitants, in 1875, were R. and S. Of these, the women S. was undoubselly the subject of phthias, with abundant pariform expecteration. In the first case described, Dr. Reich extracted the child be saming. While his attention was engaged with the mother, he noticed that, ewing to some difficulty in the child's breathing, the nurse sucked the mures from the infant's mouth, and also endeavised to promote replication by flowing into its mouth. For the first three weeks the child progressed well but then its health failed and within three mentls of its birth it died of well-merked interesher meningitis, initiated by symptoms of broughind entarris. In May and June following two more children died of the same disease. These three cases had been attended by the surse S. Dr. Reich's attention being thus attracted, he found," on investigation, that between the itle of April, 1875, and the 19th of May, 1876, mean children, in addition to the above three, had End full within the first your) of talescular montaging although in as case was there any bistory of boroditary tuborculous, that all their cases had been uttended by the wrong S., while of all the races attended by the other midwile, B., see one had died of this disease nor had any numbered in may way reflections of any intervalue form of disease. The furnities of the Times varied Inco eight days to three weeks: whereas of the ninety-two-children who died in their first year during the nine years from 1864 to 1974, only two died of tubercular narringitie, and similarly smoon the trades infents who shad in 1817, there was only one such easy, and its parents were laborations. The midwife S. key. add died of thithies in July, 1876. It was assertained that S. half been frequently in the limber of sticking makes from the pout a of infasts and also of Lissing and conssing them." Sharid this statement must to be too one-wided, or that it is untrue. I have only to say that it is recerted by Dr. Beigh in Redisor Educate Workstreefeld Sept. 18, 1875, and is quoted by Dr Hughes. Bennett in Reynthick System of Mulintro, Am. ed., rel. it, p. 117. Of damp atmosphery on a cause, it may be noticed that abilities is commo in Helland and other countries liable to daug-fogs and an atmosphere estimated with moissary. It has been shown to

perrall in the damp soils of the United States by the careful terretigations of Dr. Bowdisch of Boston and of England by these of Dr. Burlaman. In the Seventh Annual Report of the Registron-General of Scotland, if appears that for every 197,000 inhabitants there died annually from communition 20% persons in Look, 20% in Edusburgh, 310 in Porth 317 in Aberdeen, 848 in Dundon, 383 in Paidey, 339 in Glasgow, and 400 in Generock. In these towns, therefore, the death-rate is diminished in proportion to the drypous of the site,*

Against that part of Probusor Formed's statement, no tubercle without inflammation, I yis the miniment of Professor Heavy Hartstorne, also on the University of Pennsylvania; "In referrile arrays affarmatory in origin? Notwithstanding the high author-By of those was have trued that it is invariably so, the facts appear to married the maintenance of Laenner's doctrine upon this point, to the effect that interest may be deposited as a local "result of a commissional fault without inflammation preceding it. Letten of Berlin, in some recent elaborate investigations of arrate interculous, his automed what may be believed to be a true propsection, vit.: that inferedes may decide extensively in the membears of the team without equiation." Professor Wolch says. too, inflammation is the count accompanional of utiliary tabords; in fact, perhaps, the feet conception of military infercle is to regard it as a small focus of inflammation. The barilles may came diffuse inflammatory processes as well as the infectio nodule. It is, however, true that miliary inheeries may be formed in an otherwise maltered riseas. but this is exceptional.

When Problems Formal ways that semblosis is a condition which may arise from undoutrinion and seclasion in any being, and thus may be produced artificially, he differs in no respect from the statements of other observers. Less when he states that "the presucce of beautilities as our present research goes) is secondary and appears to condition the complete destruction of the tissue already diseased and infected by them," he places himself in a position to be strongly criticized. If others stood with him, we might be more ready to believe it as, but when the researches of one man through he be skillful, on opposite in coulds to the abbest men of different automs and they scientists, who backed by their provisionals have spent years of such study as only these can who

have royal pure-strings to pull, we must question the accuracy of Professor Formad's results. It is not, however, the presence of bucilli which is desired, it is the quintion of cause. " We have a right to consider more organisms the cause of iterator when they fatilil the following conditions: 1: When they constantly occur in the particular disease they are end to produce and an present at the very commencement of the disease. 2. When they can be separated from the diseased part and one to obtained provided soluted, and when the introduction of these pure organisms, if possible in the same species of animal from which they were originally derived, produces the same disease. The leadly rulescalous arrays to all these requirements. They are found in the spectrum of phthisical patients, and is phthisical patients only: in the secretion of the ulcers in largegoal and plaryngeal phthisis; in the expired air of phthisami patients; in the fances of persons suffering from tubercular entertis; in the pas is case of family he and rectarring in philipinal patients; in the urine wherethere is tuberraleses of the urinary fract; in the manifestry of children suffering from tabercular moningities, in the discharge from the ear in seminists our disease; and they can be detected in the earliest stages of miliary tuberculous. On the other hand, they have been found in col and healed tubercles. They are found in scrofulous joints and in the pas from such joints. They laws been cultivated and successfully ineculated in narious kinds. of animals. The old teaching that tubercle is herelitary still earts in the way of our belief in its infectionness. But a discase which is hereditary any also be infectious, as syphilis-Hereditary interele is never congenital, nor do all born of tuberenfore parents develop the disease.

The tubercle burilli are inhaled and find a surable out in the lungs. They will naturally notic where the air-current a smallest, and where the movements are less extensive, that is, the agex of the lung. Here they positive a local satisfamouties and slow destruction of those. This will book eventually into a broaches and be aspirated into another broaches lower-down, making a second focus, and so on. This readily explains the extension of the discase in the slowly-advancing cases of philosis, or the lung cury be

^{* &}quot;More equations in their Relations to Disease." Send before the Relation Section Association by Spines Defections, N.D., F. H. C. S. Freed on Fallingary in the Owens and Large, Valuetta Districtions.

in a state particularly posse to the development of the bacilli, such as in neute househopes muonia following the infectious fraction when many points will be simultaneously attacked and we get sente cascous beursho-purcuoma. The bicalli being usur the lyeiptatics of the lung, easily got into these and travel along them to the lymplanic glands at the rost of the iring; and the frequency with which we have lymplatter and the gian's affected with tubercle is a fact long ago established and known, long before this detection of Korh's bucilli. When once the futer-when reason freak into the broach, the spanns will contain barilli, and thus, when swallowed affects the intestinal tract. We would expento fird the lesions chiefly whose the intestinal commits are nor very compact and the movements are alon; chiefly, therefore, in the morum and lower part of small managers. The digestive tract itself, however, may form the postal through which the tuestester primarily; and term if we think of milk we should expect the measurement glands to be the chief composite so it it in tubus mexistence. When once in the longs or in the measurement glands, the tubecole burilli becross generalized other through the blood-wesselver through the Implantes. This accounts taken place Weight found that, in several cases, when greeful tuberculous supervened uses a local tabarcular process, the palmentry was contained small masses of tolerates with barrille

The gern therey renders easy an explanation of the origin of many diseases which were below difficult. If not impossible, to explain. It best explains the portalence of malaria in the State.* It is the only theory which has explanate reclosely the various phenomena of intertains diseases whether epidemic or induted, acute or chronic, in third or adult. The theory of houses has failed to stank the test of time maters is an undefined term, contagion is a condition over which wently wars have waged without definite result.

Nowhere in this country is more careful attention paid to the health of men thur in our may. Men physically perfect am selected for me service: ther are kept able-based that they may endure the storms of sea and the storms of sea. In the Armuel Beports of the Sargeon General may be fixed for any careful reader facts sufficient in convenes a skappe of the armin of the

^{*} See Article " Maleria in Connection," by Dy, C. W. Cheellersten, to Woods Amend. Suport Conn., Social of Steaks, pp. 733-633

gern therey. Samtary has put thoroughly but execution does that disease may be proverted; the superfections of these carettion calls down the possity. At the Sailors' House in Philadelphia, where these who have miled over many more through many storms, find quiet haven and rost, the average age of those wire. slip the cable and are gone is sinty-oix years two months. The bestimony of Navy Surgons who have to do with sanitation on vicinity in a stituyer it is to exact and work choosy brased with the principles we have already noticed. Says (* is Pag.* aqueous vapor possesses a powerful affinity for organic matter and serves both to preserve and diffuse it. An excess of someons eapor has not only a depressing effect upon the nervous system. but it interfers with the pulnomery and outnoons exhalanous. It is one of the new frequent mass of the demaporaril of boalth."-Pringle. Poursagriros the authority on naval bygonsits damp step is an imbasking ship." Sir Alexander Armstrong, the head of the modes department of the English Norw, - There ean to no more furthe source of discuss among manura, or intend other persons, thus the countmi inhalation of a moin atmosphere, whether desping or waking. Another the discusse induced and agreement by excessive humidity, centrally stand there of the pulmonary organa, with chalifier and other wasting diseases of these tiamer and around their sentyr, rhomation and its associated cardiac troubles, aberrees, felons, boils and theuses of the subestimons collisist system, are grouped. Statistics confirm these emisments. It is of importance to restricter that the crews of woods of trar are exemined as to their physical quantitations and that the each and death, rates represent such vates of shown and (deked lives."

The germ theory is then the most entonal of all the theories of disasse. Whether it is universally true or not, if in the liest one to work by and provises the richest rewards for isomal investigations. Even Formad, its strongest opposent in this country, admits that the barilles subscrudors appears to condition the complete destruction of the times already discussed and infected by them, and that this destruction is in direct proposition to the quantity of the organisms, which their regulates that prognosities

What follows? What preventire means have up) How can we confer the germs innocessed. From Lister has hall whaterful

results in his system of antisoptic surgery. But Mn Koth, without the tac of any spray, has obtained as good results and it is in the domain of abdominal surgery that the greatest triangles have been obtained. It must be remembered, because, when comparing these results, then clearliness is a great antisoptic.

Kach has made exact researches with the view of determining the effect of very small does of different actioques on authors, spaces. Dr. Sieraborg, U. S. A., has does the smoothleg, and Dr. Heavy O. Many of Easton read believ the Society on Surgery and Austony of the American Medical Association, 1883, a series of experiments with recently-base different germinoles, one hundred and wrently different tests, with very actionatory results.

The strict observance of southery have is probably the best prewentive of disease. Hippoentes, whose life in the golden days of Athens beenght him in contact with own whose attainments in the arts, in philosophy, civilization, states matchip, in poetry, oratory, and the art of war, burlt the feel minds of today, who talked and malked with Plate and Somites, who saw Philine cut the frieze of the Partheran, who perchance helped Pericks Immethe laws of the State, and learned the instory of all known lands from Herodonie and Thursdides, formulated the principles of sunitary science, "Pure sir, pure water, said a pure soil." For more than two thousand years those have have removed unchanged and buring as many have they remained unsuferced. "So long as society, in its highest development of rank and culture, ignormally portion and wedges itself in contracted puriors and drawing-record, already defiled by blazing gas-jets and defective furnaces, where fundreds to larishly dressed human machines bedied the air and person one another with the noxious game and their own effete animal produms in dealiser quantity than the ragged rabbin which ben't in the open street, and coil this pleasure; so long as gody people drawse and your is fodly contilated stainedes, surcharging their brains and impairing their musts with blood not half agrated, and arguetly case extraced their whole reserve force to resist the maunitary influence of the no less hadly ventilized theatre and exhibition hall, and call the one pieces worshop and the other rational ammentant, so long as ann tell to armee nickes and thou build residence pulntil, or share pential, and in the turns of buxory and moleculous flood them with artificial light and least to

[&]quot; Journal Add, Med. Assoc., Aug. 10, 1901; pp. 275-201.

consume the except which prince and bugger must breathe, and seimit the myleible fifth by the sumpturedly decorated closet and ballimon by which they think to orderic the tile necessities of homeste which prince and beggar alike rateot means and call this confort and refinement; so long as our children are sent to overenwed and murkey tome acknow, when their eyes are bleared, their hearing duffed, their plastic bothes distorted, and their brains indified, and call this effection; up long as more and women violate daily in those lives and in their children the simplest processes of logicac, purents combinating helf-demod daughters wairing on their strength in murbolescene ball-rooms, seaking their slumher than cannot refresh only whom days appears; more launched upon the world to encounter plastical wreck in a thousand channels where no beneous warms of danger; old men, sonators, indires. divines, perchance learned doctors, uncomplaintedly breathing the foul air of public conveyances and apartments in which every door and window has been carefully closed and vinitiative sarelessly. ignored; streets resking with fifth which decrept laborers play the farce of exceeping in broad daylight; what can State Medicine hope to accomplish in legislative chambers and halls of Congress which are themselves over evidences of sanitary ignorance, sanitary neglect, and sanitary indifference? " *

One other resource completes a trie of proventive means and to it I am persuaded must we chiefly look. Just as the most efficient ensemble of the potato-bing are found among parasites of its own other, just as from change in mutrition, temperature, and other conditions gives one be changed from malignant to baseless, just as Pasteur has sured to be country millions of frames in one year by vaccinations with charless. Just as to small put we protect by vaccination, so may we leave some protection from infectious diseases; which yearly count their circless by thousands.

The subject has grown upon my hands and would tempt me further did Ethink your patience would allow. If I may have succeeded in giving a new thought to any student of the causes of disease; if I have aroused any indifferent one to such desire; if unload I can hope to have added any value to this gathering here to-day, I shall feet that my labor his not been in vain.

Barnanyour, May 23, 1884.

^{*}Address upon from Mulicine Scilion American Medical Association of \$1. Part. by Dr. Galoni, Medical Director, C. S. X.

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ESSAY.

SUMBER HEALTH RESORTS.

Re Sauce D. Guann, M.D. New Harris.

We have already reached the sensor of the year when at excal gatherings and an friend means friend the question will often be select, "Where are you going the summer." To the mountains to to the assolute? Are you going to Saratous to drink but mineral, water before breakfast, or are you going to remain at bonic and faithfully particul your election with his pure water?"

As physicians, we of all most may expect to frequently hear the inquiry, "Where shall I go?" and our patients will naturally and rightfully expect that we should be able to give their around advice on this subject.

The first idea in going away for the summer is to go, go any whose so that one may have a change. It the home is in the brills of Litchfield County, go to the senshore, if on the caust, go to the brills, or at all events back into the interior. The novice in this success began thinks that he can transplant into family into any place where they will have always of an and some, and that they will those bloom like the room of June, and will store up strength of mascle and some like the room of June, and will store up strength of mascle and some five the sont winter, but after the experience of one or two sensors, he will take cure to provide his loved open with medicines, of which cholers mixture is one, before they start, knowing that they will probably send them before they return. Sail it is, and yet it is true that although the Almoghty has made pure and health-going breezes to blow upon every hill top yet man has sone much to destroy their effect.

The subject of proper drainage and general unitary laws are very little understood by the average hold and bearing-boson keepen, and where some slight knowledge exists very little use is made of m. I make your attention to "tome thoughts concerning the selection of a summer or a health poort for the families and patients under our charge."

Firstly. All places of resort should be sunitarily safe.

Of how many a that the case? The great majority of the proprietors of botels, situated far from cities, and reserved to in the summer, are men who either are so blinded by the gitter of the dollar, that they are rendered throughtless as to their own interest, or through ignorance pay little or no attention to the sanitary condition of their establishments or grounds.

This has been true and probably still is true of some of the sinust hoods in the country. Take for example the Profile Hoese in the White Mountains. Only a few years since the proprietor of this famous hostely was warped by an able physican who inspected his house that unless he made a radical charge in the drainage, an outbreak of typhoid tower might be expected, but the landlord made light of it, and it was only after this artually occurred during the subsequent year, and there were a number of cases of typhoid, some ending fatally, that he was brought to his senses.

The botel was then closed, the profits of a sensor lost, and at an expense of several thoround dellars the forme was put in good condition. Soon after this, I was told by the leading physician of Littleton. New Hampshire, that only one of the many fourthing-houses and hotels in Bethlobon was canitarily sub-

There was here no encure for such a state of affairs, as pure water could easily, and at small experse, here been brought from living springs in the adjacent hill sides, in quantities sufficient for all finning and Lorentzoli purposes. These who seek the coul and bracing air of the momentum naturally expect to find there, if anywhere, pure air and water.

But what is the actual fact. Unices they camp in the wilderness (and even their there is night amount inless the location of the camp is new), in many cases, instead of pure mountain air, they inless much of the time the rich findams of the pig-sty, and the assent of a fifthy barn-parel. Instead of pure spring water they drink water contaminated by the same or similar causes.

Not long since I hand of an investigation which was made of the water supply of one of these bestels, advertised to be "supplied from a spring of pure water to the mountain side, etc." A gratheness of an impriring turn of saind, buring noticed that the water noted (to speak mildly) very peraliarly, followed up the pipe, which led to the house from the presumbly beautiful rock bound spring, and found that the water came from a mildly pool inwhich several cours were placedly standing, and the pool was oridently the much drinking and cooling piece of them animals.

During the last summer, I spent three works in one of the most heantiful localities of the Adirocslack Mountains, a locally valley, - where every prospect pleases and only man is vile," as regards the sanitary state at all events. There were several large boardang houses or Instella hero. The place has been a report for Connectical people flaring the past cleaves years. In the essums of conversation with a gentleman, a very intelligent office and little ateur, he said that there was one enricus tirrumsuance, viz.; That during every one of the eleven years there had been an outleenk of diarrhea in the boase at which we wary thou staying, and he added, "You just watch and you will find that every one sooner or later will have bowel trouble." This prediction was substantially fulfilled. On examining the source of water supply I found it to be a well situated ten feet in the road of the bound This well was about seventy-five feet from the barroard and wister-climets.

The latter were in a filthy condition. Upon the ground are small and insmediately surrounding the well were thrown the dish-water, water med in ablation, etc. In fact all the belt employed about the breed washed by the side of this well. All this marken liquid ran absent directly into it. One day, while taking a walk of a point posture. a sixteenth of a mile back of the home, I crossed a brook of what looked like pure trater. On testing this, however, I was herrified to find it strongly imprograted with east remote. Now consider the surroundings of this lettel, -one of the most popular unit aristomatic locuse is the whole Adirondrek region," as it is called in the guide-book, and certainly frequented by some of the finest people in the State, where seventy-five people were columning for their health and semmer comings, with slanger to also and to this, peril from polioned water was added, the discombirt and illoffsets of pour food, not movily of pour quality, and pocely excludbut in some instances, the most was absolutely had; and you this is a house thus described in an aftering golds-book, "Shaldard's Adirondarks Blustrated." After speaking of "the sempulses niponess (7) which pervisies the details in and about the house,"

the author pass on usuay. "The table is also all that can be desired, the ample hill of face encering a careful study of the beatthful represents at the average enter, and displaying a plentiful sprinking of dishes heavily found only at first-class city locate, with the purest and excepted of country face." Another house, accommodating a larger number near by, is situated very near an immense barn-yard, which emitted a most hornile steach, and of which the Louise had the benefit when the wind was from that quarter

During a conversation which I had with a dector who practiced throughout this region, he said that decries and replied fover was provident in this metion and always would be provident, as long as the majors were so ignocunt and carelors in multary matters and that he was satisfied that impure water, and the masses of this which were constantly making into the around were the cause of the trouble. All unitarians would agree with him-

These are not congressions or manage-estations. Mr. Provideta and partitionen but are frets, and it is to such places for which nature has done as much, but may so much to destray, that you are meaningly sending your patients overs year. Now, of cause those are well-kept houses where sanitary how are observed, but a it not true that about many, and a great many of the so-called summer resort bounding-bouses and botels there will be board miscanons? Where the members of the medical profession have an opportunity of inspecting such places, it is ensured what duty to do so and to point um to the progression (who, in some more, will he glad to be instructed the ceils, and live they out be consoled, In this way we shall be thing the public a Jayor, and shall be one that to direct our patients where they may safely go. Of corne sideness with occur maker the host of surroundings, but so aid our patients to gain the health, vigor and permatent which they make when our advers is saked we should und them to place of which no have a good report, so that as far as possible, we may protect three against three which, if it control we that them away from home conform and their family doctor, and beam all the are able to successfully contand with it. Moreover, this subject of the need of refere to the senitary condition of public matter should he by an Escaped, the public should be inhered that there is need so reform, and we should shed light upon the subject whenever and wherever we have an opportunity to do so. Having

therea this sense places which are frequented with every recurring number, are not unitarily sale. I think you will all agree with me that they should be

Scounty. There occalities should be selected which will give the most decided change of air and mone from those which form the home suvercoment.

How often we have the advice given, "you need a change," and atthough it is assistance attend and there are exception to all rules, still in the main a change is what a needed. This is too well known to roost argument. How often have we seen the tired tuniness man, tired of his slop or constangulative, or the mother worn with the remotess rounds (to sing though they top of makerial and homebold mans, come back from a superior in the mountains, or by the sea, with the furnises of cars smoothed from the brow, the blood coursing with fresh rigor in the mine, and an elasticity of step, and a result bearing each as can be gained in no other way. And the result is born act of the rest alone, but of the new pleasures and experiences which have been had, the new places which have been usen, and above all, because they have been lifted out of the rest which their lives have worn; and for a time their feet have tradition new partners.

If you wish an inland climate, and one in a great measure free from malarm, send your patient to Suratogu, where he may find a constrably dry and balany sir, and where the physicians say malaria does not exist, and where certainly I have yet to know of a well authenticated case of indigenous children'd favor. Then audo from the air of Saratoga, the mineral spring waters in which it abcomin are certainly most valuable in domagements of the liverstragalises of the boxels and as a general tonic to the system. Indeed very many and purhaps the majority of physicism world. make the internal waters the chief object in voiting Saratoga. Still, although I appreciate their thousands effects most highly. and the value of the regular labils which these who druk the witers practice (of I do think that one of the circe charms of this roted estering place is that in a levels on we may by sending our patients there place them where they will not have to mesteral with maharial influences. This is a blessing he which we cannot he enforcedly thankful. Of course the time may come when this immunity will not be longer enjoyed there, but practically there is

to tenlarin in Saratogo, although there are morflow remon of its bovering on the outskirts of the village.

Of the Winte and threse Mountain region I need my nothing. The advantages of those regions are well understood, and they are so much frequented, and so much has been written about them as health resorts, that further common is universary. Let us say, however, in passing, that they have "subjects do not enjoy the minumity from their annual attack which they once experienced in Bethleben, the noted resert for those afficient with this maledy. At one time very few suffered from the forms while remaining in this velocity, but for the last few years there does not seem to be the more relied. The town amburbon some years since bocame so filled with the rag-wood theory, that a committee was appointed by the town to mean the fields and mail since and read pand bars the offending plant, and the mail som. I promise that the class of invalid, would be better at Crewford's, or the Profile where them is less show in less short.

The interior and northern part of Maine is accounting with every recurring summer sensor more popular, and describilly as in a nester for the health senter. The advantages of canoning on the lakes and rivers amid the pine forests, as a general took are great. (Cosmophius with fair unsembre strength, are reach benefited by the sen of door life which camping and massing and the balance olds of the pines afford. The northern part of Maine has more of the elements of a genuine widerness than any part of the New England or Middle States, where no sees any still be found, and where door routs in good numbers. Here we some good hotels for those who do not with a more out of soor life.

The region of the upper and lower Connecticus lakes forming the headwaters of the Connecticus, just on the line between northern New Hampeliers and Maine is one gaving exceptional advantages to the health scoker and sportsteam, and one which until very recently has hardly been visited

These who live in the interior of the State are often most benefited by the sos air, and above all scene air, not assed our, although that is well, and even those who live near the sea const, as in New Harren for instance, will coup grant tenefit from the scene-side. Block biland is a few place to lessable trury air, pure and unadulterated, and is very helpful to many. It is still quite free from conventionalities, use, which makes it to many all the times attractive. As for an my men experience goes however, authoration should give it a wide berth. But if an air is wanted, we all can gain access many to the whole New England count, which attends in the scenary from the Mainrecount, Maint Desert Did Ordined Beach, and Cape Ann, down to Newport, and Nara-gament. The region of these May, and Atlantic City, in little relivented by Connectical people, but is well southly of a visit, and Atlantic City offers a mild wrather resort where some cases of philines do extraorely well. I might mention many other places, durant, as well as near, for each is the rapidity with which chara-similates space, that no climate or region which our country affords is too last for a unimage tear, or too distant if health any be enhanced by reaching it. I have purposely conduct myself however, to resorts it our own vicinity.

There is one section of New York State of which more people are turning overy year, which more than a passing notion sent to which it wish to speak in conclusion—The Adirondeck region. Here is a tract of 8,000 square units, diversified into mountaine and forests, being for the most part a wilderness, the central portion of which is a grant plateau having an average height of about 1,000 tent. Nearly every part of this section can be reached from New York in twenty-four bours.

Recause of this searcess to the great husiness center its value as a breating-place and summer resort can be appreciated. Here, every kind of postine, such as mountain-challing, boiling, listing. and hinting, can be enjoyed. Stallounry camps are built on many of the lates where purion of laties and gentlemen two for weeks and ever months, and thus get all the leneth of our door ofe and marwhile have many of the combirts of civilimities. It is this which gives to many the charm of the Admentacks. For these who do not with to camp there are bearing because and hetels, many of which are well kept as far as elementees and regard to manuary laws are concerned, and in which one can get enough to out, always remenbeging that it is hard to get good fresh ment and vegetables where excepthing except mor pozatoes and field ours has to be bought by team from twenty-line to lifty miles. It is true that there are connected with some test lettels gardens, but so how regisables will grow at that attitude that the supply from this source is not worth mentioning. I speak of these facts in regard in food, for there are people with delivery exacutely who should not go to the Adirondarks, became they used a better and greater variety of diet than one mustly be obtained there. Soil in some cases the bracing air may conquessate for this.

Generally qualting the whole Adironaleck region is free from any prevailing indigenous disease. Via cases to fever and chills the comer in Keene Valley, and I have been informed that according to the report of the State fateurists there are more deaths from philinds in proportion to the population of Rock County, inwhich Lake Placid to Steaded, than in any other county of the Shin.

There are many delicate persons who are sent annually to this region who are mable to bear well the hard wagon journey over the rough roads, and arrive at their journey's soil aching from head to foot mid completely worn out, and unloss they have come to the right laste, their condent is further impaired by their instainty to digon the tool - before them.

I wish to say a few words of the Athrondacks as a reson for consumptives. Ever since Dr. Lecture began to went his patients there, and an article appeared in Hugar's Magazine sour few years since, written in very glowing colors by a communitary who lived through the wister in a tent near Paul Smith's, there has been a great rush of this class of invalids there.

The author of the article reformal to did will with an out-door life, but he died the following year. There it no question, however, but that a posidence of even servind months were in many cases check the progress of the docum and that strength and flesh do neturn, and that the cough grows loss, and in some cures causes It is true also that by remaining there many live several years langer than they would at lorne, and may possibly recover.

There are a certain-class of patients who should never be send to the Adirondarks—those is the lest stages of more implied, for they generally go there to the away from frome and friends, but all others, if they can stand the journey, and the digestion is fairly good, may improve. Those is best who in the menuse live entirely is nexts. Most of the better at Lake Pland, the Samuac, or St. Regis takes will furnish them; to may who wish three, so that they may sleep and mee in tents and yet inversecons to all the varied bill of face which the Lotel affords. Consumptives should be note to the platons region because the mean altitude is greater there and in consequence the air is drier. Many are sent to Lake Placid, which is 2,000 feet above the level of the sea, but high winds prevan there, and I would not reconsend it, but would prefer the Long Lake, Saranac, or St. Regis Lake region for these, though not affording such a height, still are from 1,500 feet to 1,700 feet above the sea and score shottered from high winds. Above all, where ever you send your patients, give them to understand that they cannot get well by sitting on hotel councilse, and that they must live day and hight in the open sir. An abundance of warm clothing should be taken so that even when the mercury is at 45° they can sit out of doors symposic in blankets and be warm.

As so winter residence I do not know that I can speak very encoungingly. It is a said emotence. It is living-true-bet of all the poor homework enflerers I ever saw, those were the most sad who contemplated spending the winter snowed-up in the villags of Samuel, thirty-six miles from the nearest milroad station. Quite a little colony of consumptives gather here every winter, and remain till ayring, when the members separate and spend the summer at the different hotels on the St. Rogis, Samme, Lake Pheid, and other lakes. I have seen indies who have remained in the Advantable is two or three years in this way, but as I have said it is a svery existence, and requires grout plack and courage those who have these necessary qualities do well. I suppose that many who go from here might do equally well during the summer. in the northern towns of Litchfield County, provided they would five there as they think they must in the Adirondacks, viz.: Our of doors.

ESSAY

IDENTITY OF CROUP AND DIPHTHERIA.

By Lewis Bairson, M.D., Oxman.

Mr. President and Gentlemen:

In selecting a theme for your consideration, I am impressed with the fact, that the laity formerly domanded of the regular profracion, harmonicus views on all points touching their physicingcal or pathological condition, arrogating to themselves alone the right to differ in all things, even in that which was fixed, unaberable, and certain.

There has been a popular and abiding faith in medical conclusions,—a faith that seemed to spring from a belief that we all held the same standpoint of observation, and were possessed of minds with fixed avenues of thought and reasoning, by which scener or later, we must necessarily attain to the same ideas. Whence the query areas: "When doctors designed who shall decide?" bearing in itself the implication that we ought to be agreed.

Mankind believed in us, as those who could unfold the mysteries of bodily health doesne, and death. Delighting in mysteries, they believed in us, because we dealt with the mysterious. Now life is less a mystery—even death, which is still a mystery, helps rereal the hidden phases of our being. Now, principles and practice, which are daily strengthened, enable us to deal less with the obscury. But the more we reveal man to himself, cleared of life's mysteries, the more he seems to withdraw his confidence in us, and religate himself to the charms of quarkery. Even but a few-days store, an emission orator of this State before a committee of his power in our legislative balls, denounced the practice of medicine as "nothing but scientific guessing." It is a satisfaction however, to know that when he said it he was only "acting a part" as the hiraling of quarkery, and that his purashnoon is sure, for death is still certain.

I have induced in those productry remarks on faith in the profession, and been guided in the cluster of a theme, by a recent emitteion of the regular profession viz.: "That if the public continued to repose confidence in its than bed a right to demand, that we should be resonably agreed to the activity, and a mix is the necessionary of discuss." A remark which was excled by our disparity of remarking on the upury, "Are may and dipholorie typomassons?"

Thirty five years ago, "ubi irritatio ibi inflammano" was duly impressed upon the youthful aspirants for medical honors, by Knight. Parlor. Plint, Hamilton, and their conditions, and we totated to the termination "the" from Stammins to Bertita, and thus, in a well-ligoral and remembered way, we studied it in all of its varieties and localities; but the term diphtheritis was unlass used, and then only it a manner that accorded distinct, though (to his honor see in he said) one of the professors was diphted." Entero Diphtheritis." from his common one of the terms, "immenentation," and "tensors diphtherite."

In 1849, Pharyngo, Laryago, Tescholis or "Angina Putrescome," was the name given a very fidal and ineligent discuss as it existed in Southington, by the late Dr. Ell Ives one of Yale's deservedly noted professors.

In 1848, as a medical student in Wood's Fractice, I was told that the disease there described as dightfornia was the same at had occurred in 1846 under Dr. Ivos's observation.

In 1835, or thereshouts public affection was called by the prestion fatally malignant epotentic existing to fences an emothing twoand unboard of. One diagnosed the disease as emigina malignal another descriptions sine emptio," a third called it emalignant enough but Dr. Jonathan Knighs, whose judgment took questioned, said it was the objektherits" of Becomment, Guerrent, and other Peach writers, and was the first size in the State to publicly assumes distributed now a lausacheld term for the name of a too frequent and much decaded disease.

The Greek term "cyannels," and the Latin Haugina," were generic terms, and well and unificiantly expressed the hours and sufficiently expressed the hours and sufficiently inflammations of the threat until the introduction of the Second-Secon term "comp," which has prescalled in English parlates for weally two centuries and which to its history, was as demical with allocation programme, in 1713, as it to see digitalism to day. Octob speaks of diploblems as of Egyptian origin the

"Mahous Aggyptiscum," suggestive as "the plague which smote the first-born;" but it is probable that the term was first applied by pathologists, about the beginning of the present century, to its acts spalerais membranous disease of the throat, and was brought more particularly to the notice of the profession in 1821 by Brestoneau, who redeseroed to show the identity of the disease with crosp, claiming that the nature of the reflammation, and the membranous explained of either, were identical.

Many entered perhologists, arrong whom are fullion flarther, and Rindfelock support their identity. Many equally connect, as Virefrow, Niemeyer, Oppolars, and, in this country, Portiyee Barker. Flint Wood, and others oppose it: again, Dr. Meige of Philadelpiria, who has had much to say of the treatment, favore the unification.

Croup is defined as a catarrhal or followlar inflammation, attended with a sero-paradent existation, or an alluminous lymph deposited in points as mirrote as the excretory ordines of the miscous follitles themselves, ecclescing in patches, or forming a continuous tising of the air passages, by means of a minor with fibring derived from the liquor sanguints in the process of the inflammation. Win. Squire of London, says, that the false membrane of eroup differs from that of diphiheria, chemically and physiologically; it is not simply themse, but consists of officed frombine in which the presence of alterna can always be demonstrated, and is composed, as shown by the interescope, of cyst-like corposels.

In defining diphthesitic attanonation there are unanimity of spinion. Bromenium, the father of identity, says, there is a definite arrangement of fibrine and albaneau. Virchest,—an exadation of close amorphous fibrine. Oursel,—a definite arrangement of fibrine. Elearth,—a A fibrine a candation, but the term should only be applied to such inflammations as are attended by microscort, which is in accord with another writer, who asserts that microscori only exist in malignant disease, and multiply or diminish in a ratio to its intensity. Accordingly, Hustner treats of material or accompanient, contrasting it with the fibrinous a diphtheritie, and again of following and diphtheritie dynastery—or as some my, simple and multipaint.

Many writers treat of curarrhal or followlar inflammation of the smaller intestine, racking it as simple outsric force, or a -moreenterite," and again of a muligrant diphthernic inflammation amended with a thickening of "Poyer's plates," and collating therefrom constituting the *ensero dightherms," or true typicold timesto. Again we have following inflammation of the torsule and fauces, as also of the largest and air passages, constituting free creep, and a distinct infectious malignant disease, styled dightheria.

Crospons (pseudo-montranous) stylisheritie, or malignant, have become symmetrous terms for one form of disease localized as it may be, while estaurical or followise, occoparatent, and benign, no also terms for a separate of disease embracing croup.

Pollicular and diphthenitic crosspace liable to be diagnosed the use for the other—the follicular in cases of intendty seening to approach the diphthenitic troop is liable to be diagnosed in the sufficiative breathing of simple larguaged inflammation in searlitina, or the sequela of measure.

Another distinguishing feature of diphtheritic from folicular inflammation is a sympathetic transition of the skin, characterizing its malignancy. In typhoid fever we find a popular or peterbuil eruption. In malignant dysostery we have a consider cruption in the sudamina, and so in malignant diphtheritic affections of the fauron and brouchin we have an onythesizatous reak.

I spoke of this to this society in 1864, but no one had observed it then, although Groenough, an English authority, mentions it. I have seen it occur during the second or third day of the attack, and fade the same day, and also at times, when the disease was subsiding. It rescables the German mendes, coming out in bright and distinct patches, and disappears always on the second and third day after, insving to trace behind. Were this epidenic sympathy mention in every case, it would be a valuable guide to the mattre of the disease. To close we say that

Group in not an epidemic.

Crosp is not infectious or conta-

Crossy to not attended with pulsy. Crossy occurs often

Croup his no rish, no albana

Cross stracks children alone

In rroup, when the tractical exadedation is thrown off, receiving is rapid and one. Diphiberia is an epiderale.

Dipatheria is also infectious und

Diputforis in frequently attracted by paley.

Diphtheria secure whiten

Diploments froguently has a rask, and afformination.

Diplomera attacks all classes, and and young

In digitalizens, when the condition from the tracken is theoree off, covering is above and operation. In diphtheria, the temperature, unlike that of emerg becomes, after a fever of 24 to 36 bours, subnormal, and the whole system is prostrate.

As regards the infection of dighthoris. On being called to a family where a child by dead, treated for crosp, I found another child with dightheritic excelation from forward of the palatal arches—complete, with croupy breathing—cryxa with epistaxis, an ash-colored, thick existation on the ellow, which had become denided, and the same in the eye, which was inflamed before his sickness. A third child had exudation in the tauces only, without croupy breathing—those recovered. The dead child was improperly kneed, as I remarked, by a haly who fixed at a distance, where dightheria did not prevail. Two days after the complained, and died on the lifth day, as I was told. Was it occup or expisitors?

Two other children remained, then well, a number inde, who entirely escaped, and a boy of ten, who was sent three rules away. In a week after, he was mildly attacked, and just to show the power of the infection, two boys, first-day playments in the new home, a stort time after find planyingual diplotheria, one of which cases was followed by aphonia, and partial paralysis of agit.

ESSAY.

THE WOMAN AND HER BED IN PARTURITION.

By R. FEANK COATES, M.D., MYSSES,

The object of the first half of this paper is to give some useful directions that are not well described to books nor illustrated by becures, but which have given as great autofaction in quite an extensive experience. In the latter half are suggestions that have acreed me well, but with them the while profession are set in full accord.

The first thing to know is whether the pains are true or follow, which in many cases cannot be, but by a shorough and patient digital examination. If the counter is not diluted and the pains make no impression upon it, they are usually taker, and if the on is diluted even so as to admit one or two fingers, with the rim thick, and the pains do not then it or put it on the stretch, then again the pains are of no avail, and generally should be quieted by spains in some form—Squibb's Compound Liquies is preferred. But it the pains are formed to be doing good and useful or way, the best and dress of the patient should be strikely arranged by the physician, to under his directions, at or before the end of the first stage of the lator.

The bed should be stripped of its covering and the matteress made emocth, or if there is a fember-bod, it should be maited and made as near like a matteress as possible. This should then be covered, especially the part over which the hips of the patient is to be placed after the completion of the labor, with a subher cloth—if one is at hand—and over this a soft quilt of sufficient thickness to prevent the bed from being soiled fluring the lying in period. The lower sheet is now hid smoothly over this, and another sheet decided four-fold across the best over this, in position so that the center of it will be under the liqu of the patient when she is at good post post-post.

This completes the perparation of the field has abe in to finish has labor on this, and it must be so prefected as not to get sedied. To do this we take a good steel quilt or blankel, field this four think and open it in the middle; if you do not have a rubber cloth (it is often mining), you can cover half of this smoothly with newspapers, then cover again and again used you have five or six layers of paper over the half, then double together with the papers in the middle. This is now placed where it is wanted for the protection of the hed, the two upper folds of the quilt will make up the exceptions if these care is taken, and the papers will not well through.

Now the petent is to be droused as the wishes for the lied when the labes is completed with all skirts removed, and a wheet is felded in the middle lengthwase by the seam, if it has one with a broad tape to narrow strap of eleth disclosed to be around the main, text the skin, to take the piece of the petitional already removed. This today folded lengthwise is large enough and been enough to wrap around the body and perfectly cover for ranked and, and in once it gets solled, it being open in front, can at my time becoming removed and a dry, clean one substituted. The understaining, chemica, and nightdress should now be folded and drawn around the wais tightly enough to powers them from falling down where they can possibly get solled, and held in place by twine or tape that is to be tied around the surplus that is held by the band in front.

The woman is now ready for business, and if suitable cloths are furnished to suck up the waters when the membranes are suptured, and the blood at the separation of the placenta, little besides these, the sheet that is around her and the quilt that bolds the papers under her, need go to the wash; and when the third stage of labor is over, and you wish to remove the was tolded things that are under and about her, all that need be done is to untie the tape that bolds the sheet around the waist, and the twine that has held the nightdress; then sope the lower limbs dry and have the solled sheet under them. Now with soll cloths to the vulva, you will step upon the leaf, and with your hands under the patient's known carefully raise the hips high energh so that the solled shoet that has

married for a skirt. The hips are now lowered and rest upon the four-folded sheet that was placed there for the purpose, and the patient finds herself upon a clean, dry hell without the heat fatigue being produced by the change.

I have been thus minute and particular in my description of the arrangement of the bed and the dress of the woman during particular, and have followed the density to the completion of labor for three reasons, it is convenient for the physician, comforting to the patient during bee labor, and in consequence of being able to remove all solled clothes and place her in a similarizable position with so little treaties, it is of untold benefit to her afterwards.

If there is the least appearance of oterine inertia, ergot should be given at or near the end of the second stage, or just before the termination of the labor and if you protess benearings is at all aluminat, it should be repeated as occasion may require. Unstale method of compression and grasping the womb is considered method placeata, and also to precent benearings. The amount of the placeata, and also to precent benearings. The amount of hemorrhage necessary or to be allowed after the placeata is expelled will vary in different mass, but the rule to receive all clust and their allow as little as possible, should be followed in all cases. Dr. Transaky stated before the New York Acultury of Mentions, April 20, 1883, "that us bireting whatever should take place after labor, that not one single from of blood should be seen." No other member seemed to have had a similar experience, and it certainly loss not conceils with my own.

The according to been attending to gaugement own malignant diplotheria, containing or aryspeins, that he about the convolution in hundred that he hands are thoroughly clean, but he may toget, is his hoste, if railed late, that he has been about a diring once other dirty work or possibly been listed by more per dog that a few mirrors before was keeting or publish ment, and so by his carchonous, carry fifth a septer matter within the ragina to do so morehal after be has returned to his hams. If indeadlasses is nort to god income anywhere, as a in midwellery, and other application are marry model, and if any are used about dools be those that are the base orphogeness in the publisher so shows orphogeness to the publisher as shows or produced and if any are used about dools be those that are the base orphogeness to the publisher as shows or work addition of corrects subbassie, borrow with or thy mal. Carbonic acid, so

with relief on by most physicians, is posses to man patients, and the older very disagnorable.

After the shock of labor is ever, and when the patient desires to utrinate, the body may be carefully raised to a sitting posture, then a strong power standing on the bod befind for, with the arms under her armpins, and the lambs chaped over her in front,—can couly man the fuely so that the nurse can slide a rossel under bor, apported in this postion the mater flows easily and all clots that are sithin the ragian will full and are remain to become putrial, and if care be taken the patient will not be fired nor injured thereby. I do not believe in Dr. Goodbille plan of getting usest patients into a chair in three-days, for they very greatly, and good judgment in this regard is peeded, but the good muritious diet of easy digestion that he directs from the first is to be commended.

If the above directions are followed, injections other than vaginal for simple cleanliness, will be eartly accessary or useful. They are often disagreemble to the patient, insey, and keep for in constant apprehension of danger, which, if possible, should be avoided. Introducine injections may acceptions be useful to control homographs, or wash out applie matter; but if not absolutely useded, they are liable to do harm by washing away useful secretions, sectoring the fall-plan tubes, opening uterise singue and allowing as to enter the voice. If "medificance midwifery is bad," modificance injections in a acceptal case, except for elembinose, is bed also, but "only the charlatan is always certain."

We sometimes find potents that have not been at the springs where scap and water scae plenty, for some into before their trial came, and those must often be rand for tenderly. Their nervous system must not to shocked by even the hint that they belong among the 'great metabody' but we may suggest to the same that the skin is not setting kindly, and that it be weaked with a weak solution of hierarbomas of sole and wiped with a clean towel the wash to be reposted as the constitution. I have known patients, doing budly isdom improve rapidly after one or two good alkalian baths.

In the course of the labor, if the pates are arting with their usual frequency and force, and the patient is gotting nervous or exhausted; or the parts are too forceble, an annualistic is useded, not only as a humano measure, but to proven the exhausted and shock that may come alterward, chloratorm along, or combined with alcohol, as to be professed as most agreeable and least likely to produce names.

As regards the me of ergot and the forego, old rules are fast giving way to those more rememble, tender, and composionate; the former being used less and the after more, as turns rolls on for though the diction of Burdelecque - that the forceps have hern more injurisus than useful to society," may have been true in his day, it is not believed to be so mor, for with better knowledge, better instruments, and not waiting until the circulation is impeded. if not checked by the pressure; or the parts are leaded, swellon, fewerals and tender by the melding of the child's basi, the forcept can mustly be applied in skillful hours walcort much force, treable or pain many hours of pain mood the patient, with hosdanger of lacerating say of the parts, and greater safety to the cloud. The danger to the child, and the appareting units that perdues seen pressure as to endanger the circulation and busing of the soft parts of the mother, is the reason why pract has fallen into such general dance, and I most fully endone the language of mother, "When greater reliance is placed on the use of the forceps and less upon the administration of orgot much better results will enough!

The abdrenimal-lender, so much proved by retree and patterns, is not of much service where there is good establishment the words, unless to ease of loose, relaxed, and pendulous elektronical waits and a want of tonic settors of the muscles; and if used for more than three or four days may came prolapse or version. The periods band that is considered attached to the funder and considered so next an arrangement, should noter be allowed, for it will hold all clots and lockial discharges within the vegics, the free exit of which should rever be limitered.

I hope these few practical hints have an wearied you. If duly considered and carefully practiced, view will be exculpeting to the patient, pain may be lossened or avoided, time utilized, and accretimes a valuable into saved.

THROMBOSES, AS A SEQUEL OF LOW TYPHOLD FEVER AND OF OTHER ADVIABILG AFFECTIONS, WITH CASES.

By June O. Posten, M.D. New Lorson, Coux.

While this result is not often encountered to positive, yet when it does corner, it is nearly always after strong and producted cases of different and at a time when, so great is the prestration, that any unforces a symptom of a depressing character is truly univelecture. On this account, it has seened to the wrater, that the period, in omittee, of some of the mass which have fallest under his notice might be lighth interesting and produbble.

-CANC. L.

Macrit, 1983. This case-occurred at a period when the true succept and patheology of this affection were unknown. The physicises of these day encountered, of course, cases of phirgmania dolors, but that they should follow how typhoid fiver, in the absence of prognancy, as a cause, was beyond their experience or explanation. Being award called in consultation in such a case, its movelly was such that I was induced to take full motes of it, the autotomor of twich I now present.

A married tady, thirty pure of age, of weak constitution and delicate braffth, was attracted with trusted symptoms of typhoid liver, such as violate childs followed by corresponding practices, and great prostration, which was frented with aliminate, her expansion being constrainly leard, "Oh, what a consferr that ferredy is!"—pulse would, conspensable, and rapid, but made shower by the brandy; profitse perspiration at third, and sinking at the proceedly. As early as the sinth day, puts and readerness appeared in the call of the left leg, gradually approaching the grain and alternating with pain in the sacral region; bynderness great along the inside of the thirt, and the femoral two was hard and distinct below the grain. Much and indicated its alreaded, it is necessary to follow the details, it being authorist to say that recovery, while realises, was ultimately ambiduciery. It is true that, as long since as the covarrence of this case, the modern views of three-bosic as the cause of phlegameta delens were approxitantely shadowed forth by referring it to phistitis, but it is now wellsettled that there is no true versors inflammation (so but very rarely) as a case, the overling being referable, rather, to the clegging of the veins by congatused, improveded blood. How, refer us to approxite for model, the well-known principles of pathology on this embject, as established by Viccious and others.

Thrembusis is sometimes called false pirebitis, but revenuesly, as just stated. In certain morbid conditions of the blood, aviably in prolonged allymants typical fover, the spices and the typicalitic ganglia concerned in the formation of the blood being seriously implicated, the sittly fluid, even in life, sportsmensity enguisters and forms what is known as a thrembus, and the process as thrembusis. An embolist is an entirely different thing, so far as formation is concerned, and is consisted in a different place from its original position. When scated on the values of the heart two ferenties featient, and in any may it becomes squared, its obtinute deposit, as all know, is any evay it becomes squared, its obtinute deposit, as all know, is any evay.

But it may also result from the Incentition of a theorems by external or internal force, such as severe pressure from vaccint and prolonged numerical effect, a small demoked portion entering the absolution. Thus the cases to be detailed will show the necessity of recognizing the distinction between the theorems and the embelos.

For the sake of condensation, two cases, which are nearly allied, will be noticed under one head, vir. :

CAMES DI AND HIS

October and November, 1877. During those months a young graticnam, twenty-three pears of age, proved through a severe ordered typhold fever, preserved assure the symptoms being great rapidity and weakness of pulse, with high temperature, all of which remained nearly stationary to about fear weeks. Convolve-cone then apparently commerced. But the trace was of their duration, force and quick pulse to turned, and after a new days, violent pain in the left by, supermond. As this subsidied, it was followed, within three days, with marked orders of the limb. The horizontal position was long maintained, the fever substitute with the pain, which was greatly relieved by hot flaxseed positions, their inner surface being assuranced with their, of apines; functions and gratic friction being subjected. Receiving was slow, leaving for some time, stiffness and molecule schem, the limb, even new, being incapable of varioning fatague like its fallow.

The other case is so analogous, in many points, that it will not detain as. The frost, which was typicall, was severe milest in its densities, and the personation of the patient, then in its high temperature, and

the amount and pletinary of the nervous and abdominal symptoms. The subject was a collegion, twenty years of age, who was taken iff in Exember lot, 1883, and came bone, where he remained an irealist for ainsily three months. About the 40th week, apparent convolucement communed, temperature and pulse became nearly natural, and appeare referred. Without any assignable carse, all the old symptoms retained, and we hid to acknowledge a religior, always an implement occurrence. Some referred it to errors in dirt, but with no tritle, or reason, and we were about to suspect inciplent inheuralists, when he complained of pain and stiffness in the left groin, referred by him to the are of the hed pan. The first continued, and the pain, more server, moved to the call of the log, where marked orelling was found to exist, and soon the whole limb arm symmetrically enlarged, as compared with its fellow. The pains and fever subsided, and after long continuous of the hormestall positive (for fear of disturbing the thronders by opening, and substan-Gally the same treatment to in the foregoing cases, his health because centimity protored."

CASIS TE.

In this case, the point of interest is, that renous threshold and follow typical fener, as is the cale, but rather improverished blood and choose ill health.

1870.—The patient was fifty-four years of age, tall, space, and seamic. Having traceled extensively, as an invalid, without benefit, he externed much debilitated, and with ever fever; took to int bed, and after three or four weeks began to have seen pain in the culf of the left leg, which emilied and became bender quite to the grain. The externa exertistical long after all pain and benderness had censed, and indeed, coints now, to a triffing extent. Totales, and the burinestal position with the remedies before nexterned, were used with success, though milless fally remarking the merbed condition of the titeral.

CARROT.

In this discussion, nothing is attempted beyond a condensed mounts of the knowledge cointing on this subject. As all know, in reason threshools, if the court obstructed by large and important, great crits are wanted off by the protecting influence of an open colliteral circulation. It is now conceded, that atterial throud-sale of the extraulities, while less constant than remove, as really exists, e.g., in scalle gargeries.

Figs. Lettle has been said in reference to irrespond, it may be proper to said that in this case, so great were the weathers and producted facility must of the finance paper to the deposits of the finance paper, and which is not frequent discount our required, the solutions to the global paper possible or been paid, errors tot, or according to the large quantities or been paid, errors tot, or according to the paper. Builds are by invented upon one for that propose. Builds we have parents against as to the perpendicular of the first parents.

cases being reported by Virchow and others. The millior of the artery is elemented by a thousaken, just us in the vein. In the following case, the writer is nearby to decade whether the electrocrion cause from the improvemental blood of the fever, or from interitie.

By the summer of 1970, I whited a subgraph operator, in convillation, thirty-from years of age, long iff with typhoid force. He was suffering intense pain in the region of the left groke and thigh. He died not long after, from not gaugette of the parts just meritimed, the ment penetraling and offernian games filling the locar, from probable thrombook of the Synoral artery. Had the femoral was the cachaded yours!, the result, with an open collaboral circulation, might have been different.

ERSE 72.

In our sixth and but case, the came of double is devolute inferable, remotely, to remove throughouts, although the termodistic came was contribute of the principally arteries, as done by the present writer in an article published in the December published of the description. Journal of the Medical Sciences for the year 1976, and of which the following shelph is an artiface.

A permissent serchant and philanthropist, of this city, risty years of age, rands a journey to Sin Prancisco, once offer the construction of the Discot and Contract Partie Rational, and from long confinement in a constrained position, is along sin (as for throught), to had a slow from with pain in one of his large, followed by indexes, which continued for normalize his arrival, and was treated with strictly horizontal position the physician regarding thereare as one of physician. The finely over after, was slightly cripped and larger than its follow.

For some months previous to his death, he was food of practicing, daily, at the "health lift" as adding to his sineagh and vigor. About the widdle of April, 1876, he altempted to lift (so he supposed) the same termber of hundred pounds, as on the day praylons, but was undble to do it. Not to be been by bimed, by a tremendous effort, he accomplished the first, and 186 No. to exerce the slide, or gatege of meanurrount having been moved without his knowledge. This strain, at his time of life, inflicted loguies, which were felt during the two remainor weeks of his life. But it did more. Those who polarise the "bealth-lift" say, that the lifting effort affects the nurseles of the lower extracities proticularly, in unsightening and heading the hores. Thus, a portion of the old Parenters was ferced off and become an embelouwhich exercised to go the curids of the circulation; until the 19th of April, when, after an agoriting ellium of half an hom, the patient point away; a thorough "pod-porten" revealing entation of the paleagency printed. A cartion against heavy lifting, to these who have suffered from femoral or count throatesis, is obviously implied.

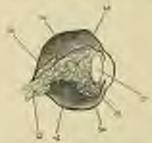
A CASE OF GLIOMA OF THE REISNA, WITH ILLUSTRATION,

By W. T. Bacos, M.D., Haurrenn

The eye which I present to you was removed from a bor five years of age, last August. L.T., age free, was brought to my office in August by his father, who stated that a day or so before, an auna, while playing with him, discovered an unusual look about the right eye. This led to further examination, and to the discovery. that eight was gone in that eye. Alarmed by these discoveries, they consulted me. On being questioned, the father thinks that, some six months before, the boy complained of not being able to see with the right eye while the left was covered for some night nilment. He thought nothing of this complaint, as the appearance of the eve was unchanged. The boy was fairly well nourished, of good color, and of rather nervous temperament. The right eye proved on examination to be blind, even to light. The external appearance healthy, pupil almost normal in size, but gave a systlowish white reflex. There was no increase in the tension of the evolull, sor gain in eye or head, nor had there been.

The ophthalm-scope showed a yellowish white growth occupying the inner side of the opeladl. No red reflex could be seen from the fundes. The diagnosis of an intraorular turner (probably gloma), was made, and the father inferred that a growth existed in the opeladl which would probably recessitate its removal, and requested to return in a few days. At the second visit, enticleation was decided upon and on the day following, anisted by Dr. George Lewis, the eye was removed. The cut and of the optic nerve appeared healthy, which was favorable as regards prognosis. The toy made a good recovery, and has thus far remained free from the disease.

On opening the globe, a tumor, yellowish white in color, and candidower in appearance, was found. This occupied the greater parties of the globe, as may be seen from the drawing. It apparently started from the optic papilla, and grew anteriorly until the citiary region was reached, where it became adherent and expanded laterally. There is no bulging of any part of the eyehall, nor does the cut cut of the optic nerve seen implicated. Under the microscope are have the usual round relia of this form of times, tying close together in a granular or striated matrix. These introcedur timees are known by the names of mediciary cancer, exceptation times, and when allowed to run their course, become what used to be called furgus linematodes. The history of these growths is that of exceptation cancer, and they are divided into four stages.



EXPLANATION OF PLATE.

Section through the eye, passing through the middle of the ternor

- p-Optic perve.
- 5 Vilrena space.
- a-Tatast.
- c-Part efforts retions.
- t-Len
- -- Vitrous space between tunner and retion
- r-Pew surface of tumor.
- s-Detached settem.

1st. The disease is confined to the retina, and gives rise to no symptoms of irritation. 2d. The globe is filled with the pseudo-plasts, is hard and possful pupil dilated. 3d. The globe is performed, generally the corner giving way; the sclera may be beigned; in one or some places, and the tumor extends into the orbit and brain; in this stage the trajerity of patients disc, but to those who survive there is a fourth, namely, that of metastatic growths in other parts of the body. Usually glioma takes its origin from the neurogin, and is composed of a basis like the

neuroglis and cellular elements (Knapp). These are small, round, granular, and constit quite a large, round nucleus, and are found lying close together in a granular or striated matrix (Knapp's Mod. Record, Vol. 2). Vetach has lately described a new form of cell in these tumors, especially to be found in fresh specimens. He describes there as "periodict with two or more efficients of different lengths, and occasionally remind us of the forms generally asserted by living cells in amortised movement. Senke "classifies givens under three heads; first, round-celled givens, second, givens with polymorpheus cells, third, givens with branch-shaped or spindle cells." Vetach considers the relative frequency of this form of namer as about three per cent, he having mor with twenty-three cases among seventy-five thousand type patients. Birnelsberg under the proportion somewhat larger, about five per cent.

All writers on this subject agree that this disease belongs to the periods of shildhood and infancy; several cases are on record in which it was congenital (Vetsch), the greater number being observed before the fifth year. Dr. Merrill of Albany, reports to the Ameriesu Ophthalmological Society at their meeting in W2, a case occurring in a young man twenty-one years of age, with no relapse after four wars. Provious to this time, no undoubted case had been observed in a person older than twelve (Hirschberg). As to the cause of glicona, nothing definite is known, but it has been observed that several members of the same family last died from the pseudophuse (Sichel, Graefe). The symptoms depend upon the stage at which the patient has arrived when line seen. Those of the first are an eye extremally healthy and normal, no pain or inflammation the pupil may or may not be allahed; behind it is seef a glistening yellowish-white reflexion from the fundus of the ove The sight is found to be lost. With the uphthalmoscope the shape and size of the growth can be seen. The symptoms pendlar to the second stage are dilation of the pupil, lardense of the eye, and generally pain accompanied more or less by reduces of the system; with the ophshalmoscope the growth can be seen filling the opoball. The third stage shows an eye perforated in some part, usually the corner, with profession of the tursor. The movements of the ball are recricted, and there is marked protrusion. Soon the life become everted, red, and surdies, the growth increases rapidly, becomes very vascular, red in color, and sander from the surface a watery, reddish fluid.

In considering the course of glioms, a distinction must be made between operated and non-operated cases, of the former, from the time at which the disease was first noticed in cases reported by Vetsch, exteen mostlin was the average duration; of the latter, tive out of the thirmon lived, and of the right who died, the average duration of the disease was twenty and one-half months. The progness of this affection is very grave. Those cases which are not operated upon, and those operated on in the third stage, all die. Of those operated upon during the second stage, a few recover, and of those seen during the first stage and upon whom conclusion of the eye is performed nearly half get well. Vetsch reports five recoveries in thirteen cases operated on. No conclusion of an absolute cure can be drawn until at least three and onehalf years have stapsed since the operation with no return of the growth.

In the Archives of Ophthalmology for March, 1883, there is a record of thirteen permanent recoveries. Four are cases of Hinchberg: the time since the operation varies from three yours six secutio, to twelve years. Nellown, one cane, four years four menths. Landesberg one com, six years. Agrees, one case, six years. Lawson, one case, six years. Nettleship, one case, froyears. Vetrch, four cases, and the one mentioned before by Dr. Merrill, four yours. The treatment is empeleation as seen as possible after the diagnosis of the disease is satablished. The writers on glioms are very positive on this point. Vetsch, on this point. says; "We should insist that the operation for gittens is one of the most prigent in surgery; also we should not on the whole beinfluenced by the uncertainty of the diagnosis in these cases, but interfere actively in every case which is probably giloma even going so far as to run the risk of enucleating an eye which is blind from iridochorostinis," If after the removal of the systall the discous returns in the orbit, the whole myire should be excavated, conteriord, and the periodeum sumped with a sharp spoon. There are several cases on record, where after a relatest this second operation has proved permanently encountal,

...

PERITYPHILITIS RESULTING IN ABSCESS,—OPERA-TION,—RECOVERY,

BY A. E. ASSAUS, M.D., HARTPURE.

December 17th, 1882, I was called to see W. R., et. 16, printer. Three days previous he had left his work, complaining of a "very tired belong," and during this time by remained in the house, had did not keep his bed. Had been chilly at intervals for several days, but had not experienced mything which could be considered a well-marked chill. I found his temperature 1921, pulse 100, tongue heavily coated and bowels constipated, trine scartly has voided without pain. No tembraces our may just of the abbove. Examination of the heart and hugs negative. His counterance presents the appearance of a person seriously ill and is furnily accounted for by the physical examination. He was ordered

Cinchoold Sulph, 3 i.
 Ac. Sulph. Arount. 3 ii.
 Syr. Aurant. Cost. ad 3 ii.

Of which a temporarial was given every three hours. Also, small closes fourity of acomits and gelsemians during the afternoon with a laxative at heditims. On the following day his condition continued much the same, the temperature having fallen but I and the pulse registering 102. On the third day of my visits there was tearlied temforaces in the right inguited region. Under the use of bot fomentations, with opiates internally, this grow daily less, and on the 6th of January his pulse and temperature had fallen to normal, tongue clean, appetite good, and everything scenael to point toward a speedy-contralescence. He was warned not to leave his hed on any account before my next visit.

When I next saw him the temperature had arisen to 100° and the pulse to 98, with greater tenderness of the abdence than at any previous time, and within a week a well-defined tumor could be detected at the site of tenderness. Duliness extended beyond the medium line over the bladder, giving the impression that that organ might be distended. The entheter tailed to find but little more than two concess of arms. I began to fear that the inevitable result would now be an abscess, and Dr. Sleven saw the case with me. It was decided to continue the local and internal breakment, and watch the case carefully for the first manifestations of pus formation. Jan. 18th, Dr. Walnuright saw the patient with Dr. Steven and myself. A hypodernon results was satisfaced into what seemed to be the central part of the tunor but no pus was found. Patient sow has much unit and great difficulty in emptying the Madder. At such subsequent visit a long hypodomic needle was thrust into the tunor and on the 18th a few drops of handable put flowed into the syringe,

Arrangements were at once made to operate on the following mersing (Jan. 19th). It is interesting to note yest here that nothing in the symptoms indicated that pus had formed, and ben for the exploring needle it would handly have been possible to have decided positively as to its presence. There had been no rhill, me marked fluctuation other in the temperature or pulse, the former varying from 190° to 191§ and the latter from 110 to 124 for several days previous to the detection of pus. On the morning of the 19th, in the presence of Drs. Steven, Wainswight and Fuller, I proceeded to operate. The patient being effectivel, I made as action three and one half inches long parallel with and one mehabove Pospert's Egament, using the point of which the needle was introduced on the previous day as a guide for the center of the position.

After disserting carefully down to the deep basein, a few drops of passippeared at the central part of the incision. Enlarging the opening by the dressing become and the inger, about six course of passand blood were evacuated. The eartry of the above was corrected explored with the diager but no fereign body or forced consections could be detected. After washing the easity with a two per centralizing of ratholic acid, wisking was introduced by the purpose of drainage. The patient rallied well from the other, and his temperature, which just before the operation was 1915, fell to 20 within one hear after. Due, probably, to the shock of the operation rather than the discharge of pre-sat it ross again before the following meeting to its former height.

The abscess was washed our twice daily with a relation of corresive sublimate (w_{k+1}^{*}) and dressed with absorbeat cotton and colours, the former being saturated with a two per cent solution of carisdic and. The patient was given a liberal quantity of poploaned bool and wilk penels, with five grains of ritrate of iron and quinties, there times daily. The neuroshment was given at night, in well as during the day. Although the discharge of passes very profuse for several days, and at one time a slight discharge of fixeal matter accompanied it, the patient mode a comparatively rapid recovery. As the opining contracted to a sires, a was filled daily with behalf Peru and beloaters, (3 i. 3 i), which seemed to facilitate its healing. The patient was discharged on the 27th of February, and when he called at the office a mostle lates there was nothing left but the external contract to round him of his former trouble, all trace of the hardness which at one time externed across the lower part of the abdonous to the left inputual region having entirely disappeared, and he willow without difficulty.

While we cannot my this case would have terminated finally without operative interference, yet a le more than probable that such would have been the result. There are few discusse which place the patient's life in greater proparty, or give the physicians more anxiety than perityphilities, and concepting which tends to throw any light on its course or treatment reight to be given to the profession. Although the late Dr. Willard Parker first performed the operation over larty years ago, it within the last sixteen years that it has been placed among the will-established and giral operations. In closing, it way not be not of place to review a few of the salient points in the diagnosis and brothern).

- There may be into at the beginning to point out the seat of mode. This parent had no tenders—whatever during the fact three days.
- An apparent convaluences about the put us off grand, as the symptoms may all exture and the disease result to also see, as in this case.
- 3. The subjective symmetric council be relied to to sum us of this formation of pea. The exploring needle should be used deally after afficient is suspected. It will do no harm and may do much good by felling the proper time for operation, which is so now as pure is found.
- There is more charger of making the external incision ton short than too long. Three and one-half inches in the one was not too much. The external wound tends to contract rapidly, and sateriors with the free examples of that must be maintained.

A CASE OF ACUTE REYSIPELAS FOLLOWING LEECH-BITES, COMPLICATED WITH SUPPRESSION OF THE URINE, AND FOLLOWED BY AN ABSCESS IN THE RIGHT MIDDLE EAR.

By Goo, W. Aveny, M.D., Harryone,

A lady of about strip years had been in good health with the exception of a prolonged attack of undarial feror in the summer and fall of 1881. On the morning of January 254, six forches were applied to the temples, four to the right and two to the left, and bleeding continued until noon, when it was arrested by the application of cotton.

On the norming of January 25th, there was a slight evelling around the bites on the left temple, and the patient complained of chilliers and

ferer and great somess of the truscles of the body.

There was too great disturbance of the body to admit of sleep or rest. January 20th, a. it, in addition to the smaller state of the affected parts, there was noticed a distinct color of podarsa, and there was a sensation of pain on personne with the flagor. I first now the case on the 26th of January, and found a line of bright reduces extending from the temple to the classicle and auterior to the on. I found the temperature 1037, and pulse 12th. The policest was in great distress from what appeared to be a state of disturbance of the nervous system as well as by the fever and printfulness of the affected parts.

At the time at my sest visit the discour had advanced in every direction, the left car and cheek being included in the inflammatory process, although efforts were made to circumscribe the trouble by the free me

of eitrate of eileer.

On the 5d day of my observation of the case, there was mute deliring with exhibitation and hallocination. The entire lead, neck, and shoulders, with the exception of the chin, had become deeply involved in the disease, and the case was of ordinary character, when considered in its near serious asperts, until Thursday, January Bist, when the kidneys ceased their function, and we were quickly in the presence of acute arouse poissoning. Active offsets were under to re-combinate the finetion of the kidneys. Infin. Dig. dry caps and digitalis position were used. The patient was restlem and inclined to swing the arms across the body, with rigidity of the number of the arm and fore arm, Almopin and morphia more given hypoderanically in sufficient quantity to control her agitation and recore transpility of mind and body. It was interesting to note that the respiration improved and the stoper was less marked when she was meen finally conveiled by the sample and morphia. During the evening several concer of mine were drawn from the bladder; the howels, in the mountaine, having been well merted with Puly, Islap Comp., and it became evident that the patient was relieved to some extent of the number trouble. She had been fed with milk and benf too, but the latter was discontinued for the muses that it might endurence the kidneys with its nitrogeness properties.

February 1st, potient quieter, and breather more freely; but the morphic and attento cannot be discontinued, as the trial to do so indicates. Examination of the urine arounds the presence of affection, an abundance of protein, blood, coloring matter, and hydring code. Medication for the crysipolatous state carnitated Tr. For. Sosquial, and Sal Quin, in full doses. Digitals was advisedly given for the result complications. The scale atente cyceptons were great reallmanns and deliritum, quickly followed by staper, spore, and spottered: mercurents of the arms, and progular, shallow, and stretowns breathing.

February 2d, 2d, 1th, and 3th, the pitient somited from twenty to twenty-four ounces of terms every twenty-four learn, and regained a state of quietade, but did not receve from the delirium and mental diefurbance. Pebrusy 2d marked the last advance of the egysipelas, and it seemed as though the more serious conditions had been part and safely passed; but such was not to be the history of this case. During the afternoon of the Bilcol Februscy, the uteralc-field distribution again petitined. and the benthing som became very shelfor, and at meli-expiration the choice were parfed out. Attends and morphia were again given, and whicky and milk given freely. The indications were of failure of the required any centers, and helladowns was given as a stimulant therein, and with apparent good effects. The occurries of the urise crossl, and the ben'n second exeminated with the limits polynor of employle and ures and uric acid. The hot air buth gave but fittle relief, and ut 8 e. u. gin, li Ot Tig., followed in an hour by 4 gits, gave many profess gracuallegs from boards.

February 5th, 6 a. sr. Unine teened in binder, a ich so further treathle of its secretion. During the night of the 6th of February, the patient passed into a preferred stapes, which continued for about footners accurs, although the Center of was setting very firely upon the bowels. After the restoration of the function of the kidneys, the committee stuper gradually passed away and the mind regulard its activities. During the time of the stuper the breathing was slew and laborat, and the tipe and checks parfed eat on each expiration. It was

interesting to rate the restoration of intelligence as now as the function of the bidiness was restored, and convenely the lethal effects of the resention of ures and aris acid within the system. Absences formed in both epolicis, the eight one slengthing. An absence also formed in the right teiddle cur, which made as opening through the assubrana tyrapari and discharged professly a thin, watery fluid; this was treated with betweeter irrigations and Bornele Acid puls., which dried up the discharge in a few days. The gateranged from 26 to 100 per minute, and the temperature from 100 to 100 Pr. A ties is temperature and as increase in principal cach advance of the cryopolatons inflammation. A semarkable and extremely figureside feature of the case was that the electach returned food and medicine, with a single exception, throughout the discuss.

There are weeral points of interest and importance in this care:

16. The importance of early lessiment, that the blood may be fortified against the irrencion of the poison of this disease.

2d. The danger of rotal complication guil the emblement of its development.

2d. The efficiency of drustic pargatives and peofuse areating.

4th. The value of Ectholoum as a respiratory stranlant.

5th. The vital importance of occurring free action of the kaller is, in they seem to be the main arouse for the symmetric of merball matters from the system.

CASES OF INTEREST.

By Paor. W. H. Caumana, M.D., or New Haves.

PARTIES OF WARRIES OPERATION FOR BUSINESS, WITH TRADERSAME APPLIEDS OF SOUR LOSSIES, ANDRESS AND TRADESCOPINGS; PATIENT PRESENTED TO MESTERS OF SURETY.

E. M., aged forty, truckman, was admitted to the New Haven Hospital on 13th of April, 1881, with the fastery that seven moves previously be noticed his tenger swelling, and that it was coated with a thick, tenacious far. The weelfing because so great as to present his choice his north, but not his lips. He has been a persistent another of tobacco, and shortly before this he had bought some which was "yorr strong and smarted his torgue." The croffing had subsided conserbat, so that new he can by an effort, close his teeth. It is still, however, about deable the aim of an ordinary torque, though he volunteers the statement that it "always was big." He has been able to take only Equid food sizes it began to awell, and he says he has list much firsh although he boke well murished. His tootk are landed with "tartar" and his beenth is very offensity. His game are much swellen with a distinct reddish-bins line along the teeth, and there is very considerable safination, but he gives no history of namourialization. His speech is almost animalitization. The tongue is quite infurated, especially around its edges, and in our portion at about appointe the right earlise and becapid teeth it is emiled, the base of the ulcer being granular. The surface is here a little below the level of the surrounding (serolles) part. The industries gradually leaves posteriorly, so that one-third at this part is of rearly normal consistency. A very careful constitution detects no enlarged lymphatic glands about the angles of the law, nor in the face of the mouth. He has had no pain in the longue, only the incommisses.

The patient was codered a month-wash of chlomes of potassa, biborate of sola, alona, ordered powder, and timeture much, to be carefully marked out every lawer. The "tartie" was thoroughly eleaned off from his testle, and he was ordered liquid food in sufficient quantity. Under this testment the swelling solubled considerably, the tangue because cleaner and the Uter line disappeared from his game. The instruction about the tip and edges centamed, tailout, with the subsidence of the

surrounding swelling it became more marked. On April 22d, and subsequently, patient complained of durting pains through the tougue, and on consultation it was decided to unquitate it. Accordingly, on September 22th, the potient was anotherized and archited by Dr. T. H. Eusell. I operated as follows: I first passed a large ligitum through the tougue is order to keep it discuss forward, as from its large sate it was finite, during the administration of the other, to full back and block up the entrance to the larger. I then tigated both fingual arteries with ratget ligatures, washed out the arounds with a solution of corrosine sublimate, I to 1,000, and a west it up with a continuous surgan sature, the lieft side I distilled the hype-glossed metre, busing first ligated it by mistake for the artery. I may remark here that both these wounds emitted by first mirroties throughout their whole extent, the subject intures were absorbed, and I were give them any other than the alightset firmsings.

The tangue was then excluded with current sciency, and the floor of the month down in the myle-hydric muscles cleaned out. On the right side the tengue was divided at about on a line with the second moint tooth, but not quite so far back on the left, as the indimntion was not so marked so this side. The line of incition was, however, quite behind all perceptible influtation on either side. The operation was almost bloodless, the ligation of the lingual arteries fully compensating for the rediscusses of the preliminary operation, resolving the operating field many as clear as when operating on a limb with the use of Hamarch's clastic bundary.

I then proveded to make a trachectomy, and in doing this the only emplement incident of the series of three operations occurred. As I was ceiting down upon the tracken I found the pillers of the thyroid. gland internally broad, preventating carrying the incision lower down than usual. Ourlay to the desper situation of the trackes as it passes behind the stemm, a pillor was placed mater ton shortdern to make the neck more prenitural, and the direction was carried on deliberately. I did not feel in my larry, as there was no tendency for the strong of the torgue to fall lock, nor benomings from the wound in the month into the larges. I was, therefore, surprised to notice the propriation stop, and the lace become rapidly example; at the same list are a greatleman basing his figur on the reliabatory exclaimed, "his pulse is finiteing," and I saw the gaptit and leafy dilute widely. I looked about to find the came, possed my finger down behind his tongue to posse that forward, found everything clear; Dr. Ramell began artificial respiration, but the air did not enter the chest, and I then noticed that the position of the head, folling book from the elevated shoulders, but practically closed the staction "fare and all." The pillow was removed, a completel movements of artificial impiration repeated, when the color same back to

the face, all the accounted symptoms disappeared and the patient is nathed again as issued. I mention this is an argument against Professor Rose's plus of operating on the parts about the menth and nose by, as he calle it.—the hanging lead.— This consists in bringing the shoulders of the patient to the edge of the operating table and allowing the head to full oper backwards as far as it will, thus bringing the force of gravity to still in presenting the blood draw trickling into the tracker. It probably would be successful, but in liable to be accompanied by the scribbant mentioned. I think Dr. It. F. Wier of New York has called attention to this objection also.

The spention of trachestomy was then frished, and a Danlam's traclical tube inserted, as being less likely to irritate the poeterier tractical wall, a point of importance as the tube was to be kept in until granulations were formed on the cut surface of the torque. The fances torte then placeped full with a large sponge and the nostrile with shortest cetter; the would in the month was dressed with iodoform dusted upon it and 50% ledelorm grane hid upon the surface. He breathed regularly and calluly through the tractical tide, which was kept creered by a couple of folds of artiseptic gatue constantly savist with a 11' solution of earls-the acid. About four hours after the operation, during a partition of coughing, the tracked talw was forced out and as the Duritant's take was found unreliable, not herping in position well, it was changed, but all the taken accomplish were found unsatisfactory, as in all the ordinary lengths the tracked end was lifted out during the effect. of caughing, by the contractions of the sternal ends of the sterno cloidsmasterial muscles upon which the flanges of the causta noted. After some difficulty one was minorited, the patient in the interval breathing sometimes through the opening and sometimes through his mouth, the spange being removed for the purpose, but the surface of the wound kept casered as described. This accident occurred a veril times draing the night and the next day until a larger tibe was proceed, after which there was no trouble from this source.

The patient was ordered to be consisted by enemata of 2 or, of bod extract every four hours, and 8 or, of milk by the mouth through a strength table every four hours alternately, so that he recoved mountainest every two hours. The temperature of room was ordered to be kept at about 8P P, and impregnated with steam. The mouth was constantly plugged; the traceral table removed and element and the mouth washed out every hour. The directions were in the main followed ant, difficulties in their administration were man promptly and intelligently by Dro. Locaris and Bogert of the leases starf, mat the arms of the Connectical Training School were unremitting in their attention to the patient and faithful in obeying instructions. I mentic a large part of the success of this part of the case to the excellent assistance I received.

Ou May let the playging from the faces was left out as it was excessinely disagreeable and by the motions of his strang of a tonger and pharynx, kept working free. The sourids were still playgnd, however, and he was compelled by the runes to keep his mostle shal, those begilling as before through the tube, the wounded surface was dressed as before. The werelies from the trackes which was coughed up through the irrebeal tribe, was bi-day noticed to be pendent and more profese, but not encountrely as. He has slept well every night since the encration and has taken sufficient food by metans and mouth together. On May 5d, patient objected so strongly to the storneds links that he was allowed, after carefully washing out his mouth, to drink; which he did restily enough by filling his mouth full and throwing his load for back. The surface of the wound in the month showing a disposition to form an absorbance of healthy granulations, and no feter being present, the tracked canala was removed the next day; but this would gaped, and the whole surface was coronal with a pyogenic membrane. It was become bee stategranged entirently to solition a distribution below. with several laness of authorptic game, the latter afterwards changed to a spenge frequently moistened with a similar solution-

On Hay liftly, potient a temperature room to 1903, and for the next week conflicted between 50% in the mannings and 500% or thereabsers in the reenings. There were course miscous rides over the upper and middle portions of the self-leng, and some distincts at the apex. He was fed on as neurishing a flightly diet as possible, consisting mainly of raw or self-beiled eggs well become up, both extract, with all filterinmitands, etc. And he is reviewed 2 to of cod from oil daily.

There was nothing worthy of note after this in the circuirination of the tengue and mouth, and as you now see, it is fully accomplished just one mouth since the operation. The trachest wound however has not closed and shows but titles disposition to do so. The cut extremity of one of the stroided trachest rings appears necretic at the bettom of the worsel. There is considerable purchast secretion coughed up through the crifice which is kept covered with a large wall of horated cotton, unveloping all the anterior portion of the peak, extending down upon the closes, all family samped with a miler bandage of committee middente games, the does not emaciate proceptivity, but united does he apparently gain. His temperature-continues to true to about 101° every evening, constitute higher; less frequently, lener.

There is not time now, without troposting on the privileges of others, to give at any considerable impth, the reasons for adopting the method of operating described, so much more complicated and tedious than these formerly practiced. The plan is developed from our knowledge of the cames of death following the operation, being (aside from result necess which are not considered here) almost exclusively septic in their

character, and econists, in short, in the adoption of measures that, so far as the locality mill alliest, are either directly antiseptic in their action, or guard against reptic materials entering the organization. For a more complete discussion of the subject I must refer the measures to Mr. Backer's very admirable article," where the peasure are given at length, with the statistics.

For an operation of this comporatively slight magnitude, are involving any directly what organ, the meetality has always been recognized an very large. Prior to 1970 it was, seconding to Mr. Borker's statements, deviced from Eilbreit's Clinic at Vienna, from Kocher's of them, and the statistics of University College Hospital, where he and Mr. Christopher Health have operated, about 10 year vers, of the cases operated upon, while since that time is would seen that it has been reduced, in the same services, to constitute like iff or 12 per cent.

The results of autopoies show the principal causes of ficath to be explicited infection of the lungs in one form or another. This decomposition is going out rapidly in the mouth after this operation, would not be dealered by any one who has approached a case before the name therough needern sidisciple forms of treatment came into vogus, and to those who have not had this opportunity, I beg to recall to their memories the more familiar but infinitely less were cases of compound fractions of the lower jaw. We see all of as busiliar with the intolerable stench in these cases. How much more, therefore, an approxime of the business must be can readily be imagined. That such a quantity of septic material lying constantly in the month (for the result careful running can only seed it out, comparationly to the implications, very infrequently), the exhalations therefore drawn into the lungs from 20 to 30 times a minute should be a source of great danger to the large, need, in the light of our present knowledge of infectious conditions, only be numbered to be appreciated.

Three fairly distinct letter of princetary diseases are found at post-mortem coordinations, via.' most infrequently, typical pyrmic absences, these truly pyrmic-cases, always true a long course, and are a sometimed with parallel deposits observer, more often than these are a number of cases, following more directly pureless inditiation of the seek, with gravitating absences into the needination, penetraling into the picture and langs, this form is, of course, user rapidly family than the former, but neither is it so rapid nor so frequent as the more direct applic infection of the pulmocury those from the field products of decomposition in the month. These are either drawn into the large with case; inspiration or they trackle down into the larges and trackes, owing to the inability of the patient so to manage his mutilisted atomp of a tongue as to present it.

^{*}Halases' System of Surgery, by Further Dilleron, Vol. II, p. 558, et sep.

The descriptions given by the various authors of the conditions of the burgs after death show the asptic origin. They speak of impreparated with decomposing, paralent nodules, the beauchis filled with fatid, paralent fluid; gaugeers of lung; some broughs parametria, areas of gaugeers as influentation, all pointing to a direct infection from the patriol contents of the mentis.

The chine of the method of operating described by Mr. Harker, which I endenoused to foliar, therefore comists in occuring for the respired sir, so far as possible, freedom from septic influences. By the Ignition of the lingual arraries, besides the advantages already described of having a clean operating field, there is much ben bloody consisting flows the cut surfaces effect the operation; by the trackectomy the respiced use is drawn from an uninfected feeality; by the playing of the fances and notific the accidental entrance of six leaded with decomposing materials is, in a great measure if not entirely, prevented, and finally the mound in the mouth can be kept consensity dressed with antisoptic rescelles. I can but regard the lang complication in this case as today, rather to the tracked fistals than to irritation from acptic infection by may of the mouth, and the irrarbad fistals to have been caused by the accident from the too short tracked example.

A CASE OF EXSOCRAPPLE, WHILSO OF THE PATRICL FOR EXCITED

W. H. R., aged 38, was admitted a second time to the longital, September 29, 1983, having been traded there eighteen noutles before for a trader-trader factors of the right patella, and discharged with a ligarount-one union of about 25 melies, resuring a posterior stiff butter spiret which he has continued to wrat since. One work before admission, in sliding off from a lary more, the heat of the boot of his right foot caught on the edge of a burnel, heating the knee distinctly and supraising the ligarount-test series. On adminion, the frequents were separated about 51 inches, and there was considerable confling and pain in and about the joint. The log was placed at our and lotions and incomitations applied to reduce the inflammation.

On October 19th, the leg was gut up on a long inclined plane reaching from the between to believe the fost, with a fast-piece, and elevated about 27°. Adhering planter receiving a large part of the quadriceps extenses make down to the patella was applied; and a suffer landage over this again. To the adherive phases shorte taking was factored, and this attached to the fast-piece, keeping up a uniform extension. The lower fragment was simply fixed. In the centre of face weeks the distance between the fragments was reduced to about 1½ below, but the ligarountous union was no very slight that if the extension was taken of it consent to pield to the contractions of the quadriceps, and the more-

ments between the fragments was quite free. Inspressed by the thouse cent address by Sir Joseph Linter, on the "Treatment of Fracture of the Patelly," delivered at the Medical Society of London, stell published in the Limit of November 2, 1883, in which he reported seven successful cases of wiring the Impaorts together under antisoptic precautions, I described to attempt the same operation, following as nearly as possilife in his steps as there gives. Accordingly on November 19th, the patient being mostletized, and using the carbolic agent as well as all other attimentic presentions, on invision about five inches in length was made directly area the profits in the long axis of the limb down to the fragments. A thin ligamentous land muscal the latter; this was removed and the joint thus exposed. The opposing surfaces of the natella were scraped clean of all filtrons material as that when they should be brought together owners those should be in outset. The drilings was then provided for as Linea advised, by carrying a pair of closed dressing foreign through the joint in the interconducial quere, pushing then through the synorial numbrane and capack downwards to energy into the pupiliteal space quite external to the arrory As the forego persented underseath the skin, this was laxined and the Sureps then pushed through the opening. The robber durings lobe was then grasped by the focceps, and as they were withdrawn through the joint the take was drawn ion it; when fairly within the joint the hold was released, the info remaining in place.

The fragments were then drilled to us to bring the holes on the fractured surface exactly opposite to each other on the median line, and each about a line from the lower surface. Then introducing the pose niver sire, which was about & of an inch in diameter," the attempt was made to draw the fragments together, but no direct force that could be exected was sufficient to approximate them more than 4 of an inch, and then on buisting the ends of the wires together, and thus getthny greater freez, the wire began to cut through the bean of the upper fragment. I then divided the tenden of the quadricips missile subentanounly, but it still required all the force that could be exerted man the fragment, using both the wire already introduced and Pergusson's line jawed forces to get irretion, before the fragments could be brought to within I of an inch of one aunthor. In using this force the wire fractioned the upper fragment longitudinally separating a small fragment from the inner side; meether nire was then introduced through the larger piece, and the two pieces united by a flur silver wire; as there was little lateral force this did not require to be very strong. The wound was then closed, and drawed with a full Lister's dressing. The operation lasted 14 bours.

^{*}Mr Lieter selected h It is dismobil, but I found 3.78 stembally heavields:

On recovery from the either the patient was In great pain and althrough | gr. of morphise was given every two bosts, he rested but little during the right. Normaber 20th, T. 100.5, P. 10, R. 30, the drowings being seited by occurs from the sound were changed under the spray. The pain continued without any counties testil December 4th. during this time the temperature ranged between 101,8 and 95,5; on that they the pain suddenly tentited, and as the hundage are slightly stained it was again charged under the spray; it was fisced that the wire had drawn through the upper fragment and the separation one as wide as before the operation. The discharge on the dressing was very eight, all from the wornd over the patella, some from the drainage take After the the pain was never very sevent, easily controlled by moderniadoses of marghine. The drawings use removed and re-applied twice during the succeeding ten days, at the around dreoling the wound was found open and filled with granulations. On the 15th, 17 days after the operation I respond the ways, and the drainage take. After this there was no especial change until December 20th, when he had a chill folloved by T. 102.3. On the next day, the leg was again dressel, and as abscess, the size of a walnut, was found just underscath the skin, to the inside of the putella, not communicating with the joint. This was granusted, washed our thomoglily with 5 c solution of earbalic sold. and it immediately closed; there was then nothing but the external wound to dress; as the Lister's bandage was removed and bisumth applied. On March 19th, this was omitted and the wound strapped. On May 13th, a silicate of soda spirit reinforced with pusterboard at the sides was applied, and on drying, the patient was allowed to walk. This he did and still does without much difficulty, but the assessments of the joint are buy restricted.

In the address above mentioned Sir Joseph advocated the operation "in all cases where the surgeon can led himself morally certain that he can seem as-poin." I do not regard the improvedful termination of this case to any failure in the assents. The supprention slid not occur will some time after the operation, as such, had failed; if never tens sufficient to cause any anxiety; neither too the joint ever implical in the supposention; although freely opened at the operation it still has restire and presentably articular surfaces. The hinderness to success were-confined to the patella, the tendon within which it lies, and the correspoling there's electroes, and show in contradiction to Mr. Lines's statement that there are cases in which the operation should not be performed. The statement is very broad; it includes all cases of both mcent and old enumined fractures, though he prefers those that are recent as presenting lower obstacles to esercis! Very Into! So would my streets perfer to treat a recent rather than an old fracture of any hone. The cases are not parallel, a comparison cannot be made with justice, they ment be exemilered separately.

I do not cure at present to say much about the recent class. But it is well to bear in mind that own here there have been doubt (Bully amportation of the thigh (Wyeth) and several instances of makylosis of the joint, (Bell, Blotum, Schode 12), Kornig, Smith, and others), all resulting directly from the operative interference; a statement which cannot be justly charged to any other method of treatment. The nearest approach to this has been a few cases of ergapolio, and of suppuration fellowing the use of Malgaigue's broks, but making through the many years since their invention, and this it must be remembered, anticipies for almost a century, the methods of anticiptic surgery. Practiced with the advantages offered by these methods, the risks from Malgaigne's hooks become pregitory, and should render the operation of opening the joint for the purpose of wiring the rewells broken fragments tegether with its postically inevitable attendant dangen, a notice of very serious consideration in every case. It is nottainly not to be universally accepted, as we are led to believe from the statements of its advancedes, that the success one make it as operation of as danger. How far Ven der Meulen's method * of leaving insact the nembrane posterior to for underseath; the brokes have, this avoiding opening into the joint, is to be found possible, remains for the persent a subject for justifiable experimentation in selected cases.

It is to the treatment of old fractures the fragments of which are joined with but an excellable or quite moleco figurerates band, that I regard this operation favorably, as affering a chance for restoring to unfathers a limit which is little more than a burden.

I have been able to get name or less full accounts of thirty for cases of sid married fractures of the patella, with very unordifactory use of the limb, or of recent refractores which have been totated by cutting down upon the bone, freshening the surfaces, and wiring the fragments together under antisoptic productions. Most of these are falses from Mr. Turner's tablet result at the receting of the Mulicial Society of London, when Mr. Lotter's address was discussed, ethers are referred to by Dr. Wasth; in reporting his case accounting ampetation after wiring a recent fractore; others are individual reports as follows, vis.

^{*} Zanor, James y, 1884

⁹ Louist, Wee; 25, 1961.

¹ Mor. decord, N. V., June 2, 1987.

CAMES OF UNUSHIED PRACTITUDE OF PATILIAN TREATED BY WHING ANTERPRICALLY

Opposition	the state of	## #8	Desc.	Binetic
Listor.	Lamit State By 1884	29:	Cited	I could not knowl.
Billiamore	Turn, Luck Sor	7	Takeoni.	t sugmenties the to Meeting and pitz after direates of quadricips brades.
Herein,	Howin, Turner, I c.	=	(3 enkylosis.) 2 cramil (7 slight particus.)	Subject syphilite; to suppuration.
Johnney Smith,	Turner, J. C.	*	2 serly balls.	suppression at joint.
Wood:	Woods Titten 1.8, thep. 356	7	1 digit antion.	Could not holes fragments regulate, quad- coups, and apparents divided, death from septements in two weeks.
California	Turnetal Samman	100	Cond	Union Hystersteine.
Bryant,	Tamer, I. c.		Tapetholo.	Joint stiff.
	Editor, I Common		Const	
Hitas,	Purez, I c., also St. Geo. Rosp., Beo. X, 400	10	Astronomo	Superior is join!
Solary Joen,	Turner in the London	=	Ankyloni	Quadricops benden and pectas mancle buth Operated, latter 2 leaker school patedly

	d. seed	- pand-		H store I	77	10-17			application		1,100	
but drawd and level isolator in apparatusely of said.	quantiers articol, thigh superiori, and death from general.	Usuali mai briting flaigmente together, cand- nospe and decidad.		Fillows artise at those months, possibly were key to case.	Supermitted in (444).	Qualificrys tentus distind.	Bappaniko in join	Altholicas about justs.	Full report in Victoria are described at a Change Vol. VII, p. 145		Died	
epartin	Did	Abandond, paulition same artefore operation.	Cunt	Slight appleas.	Antiglitis	Starthaman and	Ankypent,	State feelbill	Const.	Cruck	Died.	
-	-	=	8	-	-	4	-	0.	-	-	9	١
The state of the s	MacDennach Turners J. S	Motals Tarmer Polymone	Time Co.	Pentenne, Tunn, i. c	Pytermoon Dates from	Turen, d. c.	Therein an annual Triganaman concerns	Lami, Dec. 29, 1802	When Me. Bec.	Wyel, I., suo Dash. Mol., Wochleasen, April 17, 1858	Bill account Tyell, Liber account	
reacher than the second	Nactomac	Motest	Picker. Tamer L.	Petiterdale	Pyter	Dear Suzzi.	Damen comme	Walsh	Tombéleherg	Dak	Batt	

CASES OF UNUNTIED PRACTURES OF PATELLA TREATED BY WHUNG ANTISEPTICALLY -CONDUM

Organism	Halerman	1	No. of	denta,	1
Whetsone,	Compt. Dec 18, 1881	ik 1881.,		Ome	Caroli,
Magnito Land Sav 12, 1983	David Site	12	-	Carrelo	Quotiscus tradas atrates, sus fraguests reals no be brought regular units north reflect of deposit and so that the man of the north regular not be positive and drawn upon
Chrash moone constitution and	Terroritories		Ŧ	listerfeit nerwieste.	When pulled through bone, divising of spatialistics seeded subministerably, super- field supportation.

Of these 35 enes, 3 (85) died, 7 (86) and supportion of the joint and subsequent aritylesis; in 9 (865) there was no improvement from the operative interference, and 16 (465) were used. This certainly does not confine Lister's view of the suicty of the operation, and in the 345 of faitures (for in an equation undertaken to improve the confidence of a part, "no improvement," in failures there were several where a septimentalities of the normal or joint could not be channel to be the moves of this result.

Some of them were impositionably fine to corollition intrinsic to the injury, or to its after treatment preceding the operation, such as addedons of the quadriceps tenden and approximate in the casterlying and adjacent parts (Heavy Smith, Salary Joses, Wood, Bell, Carnatt). Short-ening of the quadriceps (or rectin) muscle with more or less strophy. (Maceson, Montin, Lloyd) atrophy of the fragments and resonanticonforming of the common times (Wheellouse, Carnatt).

That the division of the quadrices tenden is not statemented with, danger is shown in the table, where of ten cases of division of this tenden, two died of pyrania, in two there was supportation of the joint followed by anhabetis, in three more the result was unsatisfactory, i.e., 20% of deaths and 20% of failures; while in the remaining 25 reses, in which from the absence of a statement as to a division of this tenden, a may be personned that it was not done, one died from exhaustion from supportation of the joint, the hall anhabitors following supportation, is six the operation was not followed by improvement, or 15 of deaths and 48% of failures:

It appears to me from the consideration of this number of cases tepresenting quite a dipersity of conditions at the time of operating that although the operation multi mader strict armorphic percentions, offers as undoubtedly a valuable contribution to operative surgery, it is not to be accepted as universally applicable to all cases of even manifed fractions alone; that there are caus in which it is hopeless for m to me dernake it, and we are not justified in subjecting the patient to its risks; that amountation and an artificial limb; or some mechanical appliance should be recommended noteal. I am induced to think form the expeziones the profession has so for gained, that we must restrict that operation to cases which permit considerable mobility of the upper fragment, and allow it to be approximated to the former one, but in which after waiting a reasonable time, ourses in Small tuion does not take place. In three cases it may be fairly assented, that adhesions to the parts beneath do not exist, or may be readily broken without extensive divisloss of the tenden, and the operation may be performed with a renorwide prospect of success nitleset malesly risking the purious's life.

It is more than probable, in my mind, that in many instances, in the attempts to bring the fragments together by apparatus and appliances,

which exert a good deal of pressure upon the upper fragment, inflammations with consequent adhesion to the parts beneath is excited. It because, therefore, a question with regard to our early treatment of these cases, how her and how long we are justified in correspond out attempts to being the fragments superior, in view of the due that we may thereby be departing surrelies of a source certain method of curaftern and in the operation trader discussion.

a years of Lavisonapays.

George IL, aged 42 (tooks 43), a familier, was admitted to the hospital in April 16, 1984, with the statement that three months previously, after twing suffered for two or three years with anapteurs of vested irritation and occasional releation of some, that Dr. L. M. Gilbert of this city had removed from the anterior pection of the arcthra, directly at the navicular form an irregularly almost shaped calculus, with very considerable relief to his suffering. This did not however, continue, and he applied to the hospital for treatment. A foreign body, presentably a store, was readily deserted, and on the 19th he was put under either and, after crushing with a Bigelow's Lithoutie, the fragments were removed through the strugtht executing catheter, using Egylow's second form of seasonier. The crushing was done twice, and, after the second execution, so fragments would be detected by the some. The aperation lasted 35 minutes. After filtering and deping, the fragments weighted 25 grains.

The patient had no untorned comptons afterwards; indeed it was with difficulty that he was persuaded to stay in hed the next day, tailding that he was quite well. No fragments were passed, nor did he have any imitation at the neck of the bladder, as I expected, for I experienced an embarmonaut in the manipulation of the commuting catheter that is not mentioned by the author of the operation, nor do I remember to have seen alluded to by its critics. I found, in principle the catherer after the first coulding, when it became eridical that there were our or more Irreprents too large to pass through it, that one of thembecame immeted in the eye of the entheter by the sterlion of the evacuuting bug, and that there was great danger that the neck of the bladder might be brombed in attempts at withdrawal. This incerties outreadily happen, as from the necessarily large size of the catheter the cand him it tightly, and one cannot, without considerable experience and pesties on the nature by ne means gives the same feeling of resistance that the actual operation affords; feel sace that the eye is fore, and when the mercors membrance is thus on the stretch, a slight wick from a slarp, ungle of a fragment of stone may make a considerable layeration. If once incastionals or agreements drawn into the casal, the untilm and to torn its whole length. I would therefore suggest that

the northints (at least) should, in order to racaps this architest, from recover the position of the eye of the catheter in the bladder, directing it downwards, and then make a slight and semential sudden pressure upon the examining bug, thus foreign the eye from whatever may be caught there, and allowing the fragment to full into the lowest part of the bladder away from the orifice. The tube may then be withdrawn, either thus reversed or in the small position, the lithoutite again infrofraçed, and the crushing repeated.

SUB-TRACEAUTREST OPTROPERTY FOR VICTORIA ASSESSMENT OF THE SOUNT.

R. S., 7 years of age, was admitted a second three to the hospital, on Aug. 29, 1983. She had been a patient during the possions summer, admitted on May 2d, 1883, for the same deformity, and I had then attempted to overcome it by Adams' operation of slividing the neck of the femer, using however, a Masswen's chind. Although I think I divided the nerk, and at the operation obtained a contiderable correction of the deformity, swing to the very considerable deposition of amount and fibrons material about the acetalodims and head of the Senor, and the great mobility of the spinal column, I was unsuccessful in preserving the extension necessary for the permanent correction of the deloraity; the limb returned to its Somer position, and the joint became as fixed as token the operation. I therefore determined to make the division below the troclassiers, tail sent the patient home to resuperate from the effect of the confinement before operating again. On mulminion, the right thigh tens inspectably fixed at a right angle to the axis of the versebral column; the distance from the lawl to the floor when the latter was error, and the patient stood upon the left beg, was 10 inches, being last the length of the Sensor from the spex of the trochanter major to the extreme and of the extremal consists (see fig. 1), while at the greatest extension the child could give by curring the spiral econom, the toes of the right fast rested upon the left instep (see fig. 2).

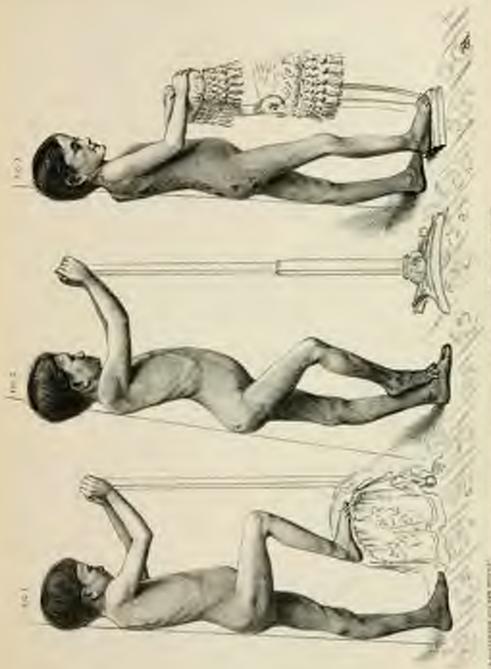
On Sept. 23th, the fense was divided by a single larisism just below the trocharters, the line of include being needly transverse to its usin. I used a Macewon's astroctomy chiecl, and supported the leg disting the operation types used large. Strict Listerian was observed throughout the operation, and in the burstage afterwards applied. The tender of the gracific accords, and some fibrous contractions of the finein lata near the asterior superior spinous process of the films, were divided. The leg and vertebral column were then brought into a weathy straight line, and a planter of Paris bandage, extending from just below the axillu-, down and around each leg to the axiles; the right leg was slightly ablanted and everted. The planter bandage was menforced by an iron but, berd into a shape to confirm to the normal curvatures of the back and the ablacted position of the log, extending from between the shoulders to the poplitial space. This was shaped payriotidy and used to secure greater securely during the application of and setting of the planter burdage thus would be otherwise practicable.

After recovery from the other the patient was constitutible, and the temperature never reached 100° P., running very nearly a normal consecution only uncompletable conditions were those incident to the content position in which she was kept. She was quite smaller to make water, necessitating passing the outbour, and the heavels were very torpid.

In about these works the phaster was cut away from the left big and note increment in best allowed. On Nov. 22d all bundages were removed and the child allowed no go about an crusches, which she did readily. In the course of a couple of works more she was given a skee with a cost note 1 inch high, with which she walks with a scarce perceptible limp. The exact amount of shortening being 1) inches (see fig. 3.)

The patient was shown at the meeting of the State Society, baving walked up two fong flights of stairs without taking hold of anything with her laurds, pariting her dest alternately on each succeeding step, as one ordinarily does. In sitting shown she is obliged to sit or an edge of the sent, either the front or the right side. She can stoop to touch the ground, but cannot better her above of that Soct. I think the position a little too straight for the next includence, it would be better if it were at an angle of about the front a vertical with the spine.

I perfer this, time's operation to Adams', as the incident require much less faceration of surrounding parts, and where there has been much inflammation with absorption of the head and work of the feater and, perhaps, distribution upon the degrees of the litting, the relations of parts are disturbed, the leg is they shorter anyhow, and nothing is gained by the more tedious operation. The division of the shaft or practical afferred to perious differently.





OBITUARIES.

ARETAS RISING, M.D., SUPPLELD. By Janya K. Marox, M.D., Supplies

Dr. Aretin Riving, third son of Nathamel and Lodin Riving, Jr., was born in Sufficial December 15, 1861, and died here March 27, 1884. He was of English descent, and his accessors were among the first wittless of the town. His father was a farmer to mederate circumstances, and having a large family of eight elebloss, could retaler but little assurance to his some in the way of education, two of whom were ambitious in the pursuit of knowledge, and had resolved us prepare themselves for the methcal profession. The subject of this sketch, was, therefore, obliged to comen himself with such advantages as the public activefieed the town afforded. oupplementing them later on by the study of Latin under the ruition of Rev. Ebenezer Gay, Jr., paster of Congregatornal Church of this town, and Rev. Dr. Cooley of Granvillo, Mass. In this father form he was engaged for a time in teaching, and facilities for invel not being great in those days, he was accommod to easi back and forth from his home, as in did, frequestly, from Pittshold, Mass, during his bestare courses. In these long and tedions formers, over intereening mornlasse and through the most of winter, doubtless his long logs, like Linesfe's, did him good service.

He stocked medicine in the office of the Delamator, at that time a distinguished practitioner of Shefield, Mass. Graduated at the Berkshire Medical School is 1826, and some after conmenced practice in the village of Florids, N. Y. Here he remained two years, and then removed to the news of New Marilaces, Mass. beging out the practice of another physician. In this town he continued to reside till 1849, laying the foundation of a excessful practice. Here also be married, Networker 12, 1829, Mass Lucy M., daughter of Basil Seymon, Eq. of One, Mass., who was at that time teacher of a private school at New Marihoro, and with whom he lived in happy weatherk more than fifty years, each rating his golden weaking here in his native town. November 12, 1879. Mrs. Ricing was a budy of noble lineage, being a descendant of the Connecticist Trumbulls. She presented for hishand to the Spirit Land about two years ago. From New Marihoro, he removed to Sheffield, Mass. the scene of inclical studies, and practiced there about five years till 1845, when he returned to this place, and excitinged in the active practice of his profession here till 1871, a period of incertigate years, when his advanced age and impaired eyought compelled him to lay note forever his armore, in which he had builted as long and so nobly with disease and death.

During the subsequent early years of his retirement, and after a brief sojeugu in Brooklyn and Hartford, his tall and reset form was daily seen upon our streets, as with torsering limbs and exceful tread he walked to and from the just office. But during the last few years of his life, his almost total blindness confined him mostly to the house, and he went to reside with his son-in-law, about one mile mot of the Center. Occasionally, however, his great expepence and tury guilgment-retained to the last-caused him to be called in consultation in difficult cases among his old patrons; and be was often seen at the Congregational Church of whom he became a member late in life, and to the support of which he was always a large and cheerful giver. He was also a director in our national bank, and contrary to the center of most physicians, had americal a comiderable freture. In 1850, he was elected a Fellow of the Connecticut Medical Society, and had formed represented the towns of New Mariboro' and Sufficht in the Legislatures of their respective States.

In the practice of his profession to this town, he had become well and becomes to most of the physicians in Unitled County, not a few of whom, particularly among the older members, have expressed to the writer their high sponstation of his character and attainments. Being often associated with him theing the last decade of his practice and the first of my own three being at the time no other physician in this part of the town (Center). I had frequent occasion to but his experience and medical knowledge, as well as opportunities for observing the results of his judgment and skill. He was very ready and apt in the sitution of his

cases, many of which, in the earlier years of his practice, had made an indelible impression on his mind. He was particularly proud of his preceptor, Dr. DeLamater, and often sucted and endorsed his opinious. He had a quick and accumits perception of the condition of his patient, was careful and judicious in the selection of remolies, which with him were few, tried, and trusty, was persevering and thorough in their use, and never in baste to protessarce his patient cared or moritand; but when perchance a suspicion of Enager did escape his lips, every one who heard in fult that his patient's condition was not only infeed critical, but critical indeed, so guarded and sperring was his prognous known to be. Well read and well-tried in every branch of his profession, by was particularly so in midwifery; and although extensively sugaged in this throughout his entire practice rovering a period of almost half a century, he has been bound to say that only one patient of his ever required a sature for a rupture of the permeuse, and that only partial! When it is remembered that he rarely-alread peror-resorted to the use of instruments, what a testinostal is this to the wise and perfect adaptation of Dune Nature's meson to ends, as contrasted with those of the more modern and cycro-Aire acconcheur! Not that we would disparage the use of instruments-he did not-but only their frequent, indiscriminate, unnecessary, and, therefore, improper me. But we are digressing.

As a citizen in provate life, he commanded the respect and easily won the confidence of all with whom he came in contact. Grave and dignified in his demeanor, kind and courtous in his manners. no one ever doubted that he would do what he could for the relief of suffering humanity, whether among the rich or the poor. Too fully occupied to mitigle much in political or town affairs, he was arrenthaless a keen and intelligent chooser of passing events at home and alread, and took a lively interest in the men and measure of his approval, though bold and independent to his demmetation of craft and wickstness. He was a thoroughly good, besent, and upright man, larving a high sense of the dignity and responsibility of his perfession, which his own life did so much to clevate and adorn in the eyes of the community. He discrementanced nunckery in every ferm, and always refused to consult with cluriatans, being strict in his observance of the Codo of Ethars in all his intercourse with his professional brothern Hones, his relations with them were always pleasant and friendly.

and he was borne to the grave by all the regular physicians of the torre, and late away to rest, as a war-norm and sentered volcran, whose life had been inflict years, and whose years had been infliof honor and usefulness. Three children survive him. Henry S. Rieting of Wysming, Iowa, Klim M., wide of John A. Henramany of Suffield, and Prances C., wife of J. E. Shelden of Hamburg, New Jersey.

ELISHAMA BRANDEGER, M.D., BERLIN,

By E. B. LYON, M.D., OF NEW BRITAIN.

Dr. Brandegoe was form in Berlin, Conn., January 14, 1814, and find February 17, 1884, of combrat apoptoxy.

He attended school in Cheshire, and was fitted for college at Mount Simcon, Hart's School in Parmingson, and entered Yale at fourteen years of age, graduating in 1882. After reading law one year in New Haven he decided to take up tradicine and was gradnated by the medical department of Yale, and pursued his audioanother year under Dr. Tully of Cautleton, Vs.

For two years he practiced in 28, Louis, when, on account of the failing health of his father, he returned to Berlin, and practiced medicine among the people of his native fown for forty-three years.

In his profession be keld the confidence and patronage of the people, never betraying the one or mining the other. His ability and skill, his genial moreover and high arms of professional honor won for his professional brethren these respect and hore. He was quiet and unoldraness in his ways, but he took a real and helpful intense in whitever leaded to promote the morals or the prosperity of the town in which he fixed. There were less few families within several miles of his nondenses who had not unknowed him as a kind sympathizing, mostlish friend, as well as a physician. Few non could be mixed more than he, for low, if my, but been longer or better known or more respected and befored. Those who knew him best formal him most, so in his home and with his family be shown the brightest.

In 1842 he surried Miss Florence Stitle of Petersburg, Va., who surrives him and of his twolve children time are still living, and

seven were at his bediede at his death. During the few weeks of his illness he was obserful. His home was a pleasual resort for his family. Reciprocal acts of attention and affection characterized all their relations, and were intensified in the last weeks of his illness.

Through a kind Providence he was enabled, a short time before his death, to transmit his inhoritance in a large eviate to his family, but the richest horitage is the morney of such a bushand and father wandwafed to these so long.

His furrest rear largely attended, Dr. Woodworth, paster of the Congregational Church of which he had been a constant member many years, officiating, has six sons continuing their offices of minstry by bearing his body to the tomb.

JAMES BALDWIN, M.D., DANBURY.

By A. E. Anom, M.D. Dasserse.

James Baldwin, um of Gabriel and Samh Baldwin, was form at Raidor, Conv., is the year 1802. Early in life it was his desire to become a member of the modical profession; with this end in view he worked early and hits, and in the year 1825 graduated from the Valo medical actual. He live commenced practice in Easten, Corn., but after a short time reserved to Stratford, Corn., where he could have a larger field for practice. In 1839 he contried Cornolia, daughter of Wilton Hawloy of Bridgeport. Soon after his marriage he came to Doubury where he found a wide field, and a community which appreciated his talents. As a practitioner he was skillful and encossful, and for forty years he treated the sick, attending the poor with as much care and patience as he would the richest. In 1861 the doctor gave up his practice to work in a field cloudy allied to the one he was leaving. Knowing the importance of using pure drugs, and at the same time the difficulty of obtaining then, he spened a drug store, where he sold as pure drugs as the market afforded. He soon wen the confidence of the profession and laity, and gained for himself an anniable reputation, a good income, and a happy home, where he died at the advanced age of eighty-one years, respected and mourned by a large circle of gatrons and admirers.



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Harmad, 1961, Yale, 1873, Yale, 1851, Berkehite, 1854; Coll. Phys. and Surg., 1970, N. V. Med. Coll., 1887, Yalo, 1954, Coll. Phys. & Surg., N. Y., 71, Middletown, Univ. Vennont, 1977, Norwalk. Coll. Phys. and Surg., 1971, Strafford Coll. Phys. and Surg. 1982, Waterbury L. E. Coll. Hoop., 1873. Goshou. Univ. Pa., 1969, Tule, 1868.

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William, S. A.
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APPENDIX A.

OKNERAL ASSESSMEN, MAY SESSION, A.O. 1855.

AN ACT to Incorporate the Connecticut Medical Society and to establish the Medical Institution of Vale Callege.

Surprice 1. Be it empted by the Senate and Benar of Representatives in General Assembly convened: That the physicians and singeous now members of the several county medical societies, and all physicians and surgeous who shall be sescriated with them, in pursuance of the provisions of this set shall be und remain a body politic and corporate by the muse of the Connectical Medical Society, and by that more they and their encouners shall and may have perpetual succession, shall be capable of using and being used, pleading and being implemed in all suits of whatever name or native, may have a common scal, and may alter the same at pleasure, and may also parchase, receive, bold, and convey my empte. (cal to personal, to an amount not exceeding unhandred thousand dollars.

Sec. 2. The members of the society shall used amountly in their respective sounds at such places as have been or may betwefter be agreed upon by them, on the third Monday of April, and shall elect from among themselves a chairman, clerk, and such other officers as they may find necessary, and, being thus organized, shall theretpon investigately elect by ballot of their sum number in each county fire, except in the countries of Middlesex and Tolland, such in each of those counties three. Fellows, to have the superintendence and management of the society, and the numbers of the society, in their suspective country meetings, shall have power to adjourn soid meetings from time to time, and to hald special meetings as they may judge expedient, and may adopt such regulations for their own government and for the possestion of medical science, as they may think proper, and repayment to the hy-laws of the society.

SEC. I. The Pellows thus chosen at the several county meetings shall exect together on the second Wednesday of May annually at such place as his been or may be designated by them, and being thus assembled, shall elect by ballot from mong may of the members of the seciety a President, Vice-President, Tousaner, and Secretary of the seciety, who shall had their affects for one year, and mutil others be

chosen, and shall, by virtue of their office, he Follows of the society for the time being, and shall have the same power, privileges, and authority as if originally closed such by the members of the society.

Sec. 6. The President, Vice-President, Treasurer, Secretary, and Polices thus chosen shall be known and called by the name of the President and Polices of the Connecticut Medical Society, a majority of whom legally assembled together shall be a quorum for the transaction of any business, and shall have power to make by-laws for the regulation and government of the society, and for the presention of the objects of the same, and repugnant to laws of the United States or of this State, to expel my number of the society for miscondinct, to admit bosomy members, so make rules for the administer of members of the society and for their dismission from the same, to lay a tax upon the semblers of the society and exceeding two dollars in each year, to be collected by the clerks of the respective county meetings, and to be paid over to the Treasurer of the society, to dispose of the mercys thus missel and all other property of the society is such manner as they may think proper to present the objects and interests of the society.

Sm. 5. At all meetings of the Pettows for the transaction of business the President of the audicty, or, in case of his absence, the Vice-President shall preside, and in the case of the absence of the Pestident and Vice-President the Fellows present may elect one of their own number as President for the occasion.

Suc. 6. The President of the society, or in case of his death or absence out of the State, the Vice-President, on any special occasion, shall have power to call a meeting of the President and Pellows at each time and place as he may think proper, upon giving twenty days active in two recompagers pointed in this State; and in case of the death, resignation, or inability of the President, Vice-President, Treasurer, or Secretary of the society, the vacancy made thereby may be filled for the recovered of the year by the Pellows at any legal meeting duly amended.

Suc. 5. It shall be the duty of the several clerks of the county meetings in their respective counties to collect and pay over to the Treasurer of the society all such taxes as shall from time to time to laid by the President and Pellows upon the members of the society as aforesaid, and for that purpose may procure a warrant under the hand of a Justice of the Peace, against such number or members of the society as shall neglect or solute to pay the tax as imposed upon them as aforesaid, which warrant any Justice of the Peace is hereby empowered to inne, and therewith proceed to endowe the collection of such tax or taxes in the same manner as the collection of town or society taxes are by law authorized and empowered to do; and if any of the clerks of the county meetings shall neglect or refuse to collect the tax entrusted to

him to collect by the time the same is made payable, or having collected the same, shall neglect or refuse to pay the same over to the Treasurer of the society, such Treasurer may cause a unit or unit to be indifficted against such delinquest in the name of the society, before any court proper to try the same, and the same to passes to the final judgment; and such clerks shall be allowed and shall receive a compensation of a per centum on all moneys collected by them respectively, and paid to the Treasurer of the Medical Society.

Sec. 8. No physician or surgeon who shall have commenced pentice since the year one thorsand eight hundrest, or who shall hereafter commence practice, shall be entitled by law to receive any delet or feefer such practice, unless be shall have been duly licensed by some raedical society or college of physicians.

Sec. 5. The medical institution established in Yale College, parameter on agreement between the President and Pellows of the Medical Society and the President and Pellows of Yale College, to northly declared to be a body politic and corporate, to be known and acknowledged by the name of The Medical Institution of Tale College.

Sec. 10. The institution shall include a complete course of medical science, to consist of four perfeuers: the first of chemistry and pharmacy: the second, of the theory and practice of medicine: the third, of metern, surgery, and midwifery: the third, of metern medica and betany: and there shall be a joint committee of an equal number of persons appointed by the President and Petrova of the Medical Society and the corporation of Yale College, who shall make a nomination, from which nomination the aforessid professors shall be chosen by the corporation.

Sec. 11. A catenet of anatomical preparations, including all things usually found in a collection of this nature, and a collection of specimens in the materia medica shall be provided, and a botariral garden shall be catalishabed as seen as the funds of the College will allow.

Sec. 12. Every medical student shall be required to amend to the study of physic and surgery with some medical or characteristic professor of practitioner of respectable standing, for two years, possible &c shall have been graduated at some college, otherwise three years; and to have arrived at the age of ferenty one years; and every medical student shall attend one course of such of the above systems of lectures under the professors of the Medical Institution of Yale College, or assess other public medical institution, previously to his being admitted to an examination for a Reener; and the course of Inctures he is required to attend may be included within the term he is required to study, provided that upon the recommendation of the county meetings respectively, one mentionious and necessitions person from each country shall argually be allowed the privilege of attending one course of each of the above tectures gratis.

And if any of the cennty meetings should fail to recommend as above, the President and Pollows may fill up the examply. It shall be the duty of the county meetings to report to the President and Pollows the name of the persons when they shall agree to recommend; and the President and Pollows shall transmit said names, together with such as they may said, agreeably to the above provision, to the professors of the Medical Institution. And the price of the ticket for the whole of the above purpose of lectures shall not exceed fifty dollars.

Sur. 12. The committee of examination for the practice of physic and surgery shall counts of the professors of the Medical Institution and an equal number of the members of the Medical Society, appointed by the President and Fellows; and the President of the Medical Society shall, or official be president of the examining committee, such a sets at all times, and a casting rote when the votes are equal; and in case of the absence of the President, a president pro-tempore shall be appointed by the neutrons of the examining committee appointed by the President and Pellows, with the same powers, which committee, or a unjointy of them, shall possess the power, and they only, of examining for a license.

All licenses to practice physic or engury shall be signed by the President of the Medical Society, and countenigued by the elect of the examining exentation, which elect they are hereby empowered to appoint; and the fees or perquisites for admitting or ticensing any person to practice physic or engury shall not exceed four deliars, which shall be paid to the Tenantes of the Medical Society for the heacht of the society.

And all licenses heretofore countersigned by the clerk or secretary of the examining committee shall be valid and have the same effect as if they had been signed by the examining committee, any law to the contrary potential anding.

Sur. 16. Each considers for the dayres of doctor of motivine shall be required to attend two courses of the above system of loctures at the Medical festitution of Yele College or at some other public medical multimion where a similar course of public instruction is passed, which degree, upon the recommendation of the committee of examination, shall be conformed by the President of the College, and the displaces signed by him and countersigned by the committee or the angle(ky of them.

And the President of the College shall have power to confer the honorary degree of ductor of medicine upon those pursuas whose the President and Pelicers of the Medical Society shall recommend as deserving of so distinguished a mark of respect.

So. 15. For the accommodation both of the students and of the committee, there shall be but one examination a year, which shall be immediately after the close of the course of lectures. When a candidate is prevented by sickness he may be examined by the professors of the Medical Institution, and such eximination, with their certificate thereof, shall entitle him to the same privileges as though his examination had been by used committee.

Sec. 18. All medical students who shall have attended two courses of lectures in the Medical Institution shall have the privilege of alterding all fature courses gratic, and all persons licensed to practice physics or surpery, and practicing within this Suce, shall of course to members of the Medical Society.

And he it further enacted that the act cetified "An act to incorporate specified ancieties and to establish the Medical Institution of Yala College," and all acts in addition to and in alteration thereof, by and the same are hereby openion.

May temion, 1825.

SAMUEL, A. POOT, Speaker of the Rose of Representatives.

> DAVID PLANT, President of the Secute.

June 3, 1925, appeared.

OLIVER WOLCOTT.

STATE OF CONSTRUCT,

OFFICE OF SPORETARY OF STATE.

Thereby certify that the foregoing is a true copy of record in this office.

In witness whereof, I have become not my hand,

and affixed the sent of said State, at Hartford,

this 27th day of December, A.D. 1881.

D. WARD NORTHBOP, Surplant of State:

MEMORANDEM OF LEGISLATIVE ACTS IN RELATION TO THE CONNECTICUT NEDICAL SOCIETY AND THE MEDI-CAL INSTITUTION OF VALE COLLEGE.

- 1791. As act inorporating a medical society. Statutes, 1796, p. 295.
- 1793. Americanent de querran
- 1797. Amendment de election of officers.
- 1980 Amendment & Sec.
- 1991. Annulment of collection of few.
- 1819. An act is addition to said in alteration of an act untilled "An act to incorporate the Medical Society." (This forms the Medical Institution of Yale College.)

- 1821. An act to incorporate sendical recipties and to establish the Mediend Institution of Valo College.
- 1922. Amendment de payment of fates, etc.
- 1925. Act incorporating the Connecticut Medical Society and to estabinh the Medical Institution of Vale College.
- 1926. Amendment de partial and conditional repeal.
- 1829. As act in addition to and alteration of an act to incorporate the Connecticut Medical Society and to establish the Medical Institution of Vale College.
- 1872. Amendment de choosing of professors, etc.
- 1872. Amendment do term of study of candidates for Econo-
- 1834. Act to innerperate the Connectiont Medical Soundy.
- 1834. Act in relation to the Medical Institution of Yale College.
- 1842. Amendment de repeal of eighth section of act incorporating the Currentique Medical Society.
- 1847. Amendment authorizing change of time for holding county meeting of Connecticut Medical Society.
- 1853. Amendment de annual meeting of Fellows of Connecticut Medical Society, to be South Wednesday of May instead of second.
- 1856 Amendment of proviso that no person be recommended for a gratuitous course of betteres in Medical Basiltonion of Vale College unless he has there attended one previous course.
- 1868. Amendment de number of professorships in Medical Institution of Yale College, price of Jostoros, etc.
- 1970. Amendment to charter of Connecticut Medical Society.
- 1879. As set to incorporate the Medical Department of Yale College,

APPENDIX B.

AMERICAN MEDICAL ASSOCIATION.

PRILADELPHIA, June, 1984.

Dicker Sen.

At the resetting of the American Medical Association held at Washington in May last, an Americannt to Regulation II was adopted, which provides that:—

Membership in the Association shall be obtainable by any member of a State or County Wedleal Society recognized by the Association, upon application embraced by the President and Secretary of sold Society; and shall be retained to long as he shall remain in good standing in his local Society, and shall pay his annual due to the Association."

You will perceive that, as far as such opportunities are embraced, the strength of the Association will be increased and consolidated, so as to unite the profession, and give it a force and influence not otherwise attainable. Without undertaking, however, to point out the advantages of this action on the part of the Association, or to advocate the plan of which it is a main feature, it may simply be said that, as the new departure has been taken, it is for the Association and its constituent bulles to carry it out to the fulfest extent, and to give the new ment their hearty cooperation.

Toward this end, the first step is to make the action of the Association as widely known as possible; and you are, therefore, requested to bring the matter to the notice of your Society and its individual members, either by circular, or in such other way as may seem to you most effective for the purpose.

Applications for membership, in the manner specified above, accompanied with Five Donnars for mental dues, should be our directly to the Transmer, Dr. Richard J. Dungflows, Lock Box 1,774. Philadelphia, Pan on receipt of which the Worldy Journal of the Association will be forwarded for one year to such member.

Respectively yours, WILLIAM B. ATRINSON, M.D., Personnal Sorodary.

To Hr. S. H. St. JOHN, Stor, Conn. State Medical Society.

APPENDIX C.

The Conseitter of Examination met of the month of the Yale Medical College, June 23d. The Board was called to under by Prof. Lindsdey, and Dr. P. A. Jewett was chosen in report the doings of the Board to the State Society. The miners of those pussing a natisfactory examination are as follows:

William Berry Chittenden.
Charles Mascille Downs, Ph. B.
Goorge Fuster Fishe, A.B., Amberst,
Chas, Fredrick Linquist.
Francis Norsten Locaris, A.B.
Arthur John Tonney, Ph.B.
John E. W. Thompson.

PROCEEDINGS

OF THE

CONNECTICUT MEDICAL SOCIETY, 1885.

NINETY-FOURTH ANNUAL CONVENTION.

BULLD AT

HASTFORD, MAY 27th AND 28th.

NEW SERIES. Vol. III.-No. 2.

S. B. St. JOHN, M.D., Secretary, HARTFORD, CONN.

HARTFORD, CONN.;
Press of The Case, Lockwood & Shainako Coupant.

The Connecticut Medical Society does not hold itself responsible for the opinions contained in any article, unless such opinions are endorsed by a special vote

Nest Assum transmitter of the Chareman Medical Society will be not in New Haves, May 18 and 21, 1889.

All communications intended for the Connecticut Medical Society must be addressed to S. B. St. John, M.D. Hartford, Conn.

CONTENTS.

	1444
List of Affects,	1
Standing Committees	- 6
Percediage, -	T
Problem's Address to Fellows,	- 0
Transport Report.	11
Repent of Spaced Meeting at Harrisol, -	12
Committees and Delegates,	17
Report of Consulttee on Examination,	18
Sometary's Regard,	19
New Members,	10
Enagists for 1886.	23
President's Address-Nervousses,	94
Report of Committee on Matters of Protestional Interest in the	
Strin, S. E. Worlde, M.D., Chillman,	47
Hartford Gents, A. E. Abrams, M.D., Neporter,	35
Taxonigation of Computation contain, its Physiological Action	
and Thompson's Unio.	32
New Breen County, Max Meillionne, M.D., Republic,	38
Laparosony for Oracian Cyst, Dr. A. W. Leighnes,	80
Fairfuld County, Was, S. Lockwood, M.D., Reputter,	183
Encephaloid of Long: Autopsy, Dr. R. Laveler,	53
Cases of Interest,	87
Among of the Liver, Asportion; Recovery, Dr. E. D. Nursey,	289
Maddener Ceredy, R. W. Mattewson, M.D. Reporter,	51
Totals Course S. G. Blaker, M.D., Reporter,	(0
Ferreral Almost studing Death by Venezo Benzeminge, Dr.	
E.P. Pill.	92
Diabetes Insujidue accounting to an acture of Diphelitria, and	
followed by Electronic Ferry, Dr. E. P. Flint,	162
Absence of Alternational in Right's Disease, Dr. Fred. Walsh.	20
Em eye.	
Centennial Communications on the Post, Princell, and Polari of the	
Parmelle of Medical Society, Dr. S. G. Hukkard,	100
The laternal time of Germicides, Do. W. W. Knight,	110

						Print.
Are there any Symptoms or Priles Installty from Cropp when no						
Dr. P. Camidy, -			-			133
Augus Pertonic Dr. S. W. Turner	1.					112
A Few Suggestions on the Therap	pottic	al Uses	of Cap	percent	Dr.	
A. T. Benglas,						133
The Treatment of Structure of the						110
Surgical Notes from the Case Basi	Kal s	Genera	Print	itioner	Div	
W. C. Wile,	-	-	1	-		372
Chart	recom:	DC.				
C. W. Chamberlain, Hartford,	-	-	-		-	264
Rii Wasare, Harrison,	4					211
Geo. W. Edwards, Granby, -	-	-				311
Antros Bearbley, Strainglan,	-			-		313
A. H. Abemethy, Bridgeport,	-				- 1	215
O. S. Hickesk, Ridgelield, -	- 11					313
W Le						44.0
Henceny Members.	- 2	-			- 1	513
County Societies,			- '		- 9	220
Alphabetical List of Members.	- 11	Heat to	- Live	-	-	225

The Connectiont Medical Society does not hald itself responsible for the opinions contained in any article, unless such spinions are endorsed by a special vote.

OFFICERS OF THE SOCIETY.

1884-1885.

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E. C. KINNEY, Norwich.

VOCE-PRODUCENT

SAMUEL HUTCHINS, Danielsonville.

VICE PRODUCES, 60 offices W. H. CARMALT, ORGANDO BROWN, I. G. PORTER, C. F. SUMNER, T. M. HILLS, J. G. GREGORY, M. STORBS, BUPUS BAKER.

THEOREM

E. P. SWASEY, New Britain,

SECRETARY.

S. B. Sr. JOHN, Hartford.

COMMITTEE OF MATTERS OF PROFESSIONAL STREETS IN THE STATE.

STANDING COMMITTEES.

Contiller in Normal Physician in the Bernet for the Jacon-

100

A. WOODWARD, M.D.

R. HUBBARD, M.D.

L. HOLDBOOK, M.D.

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C. A. LINDSLEY, M.D., Assurrous Chairman, C. E. PARK, N.D.

M. C. O'CONNER, M.D.

Thurstake.

F E BECKWITH N.D.

MATERIAL CO.

A R ABBAMS MD

PROCEEDINGS

CONNECTICUT MEDICAL SOCIETY-NINETY-FOURTH ANNUAL CONVENTION.

The President and Follows of the Contection Medical Society met in the County Court House, Hartford, at 5 r. w., Westmoday, May 27, 1885

The President, Dr. R. N. Countrys of New Breast, called the Convention to order, and appointed Br. P. V. Bureatt, and Dr. S. R. S. John as the committee to examine the production of the corted Pellows. The committee reported the Fellows elected whose names are presented. The last was accepted and the committee discharged. The following is the last as presented.

LIST OF FELLOWS, or one.

Persidual

B. N. Council, M.D.

Two Providest

E. P. Krone, M.D.

Vice Printings, at after-

W. H. CARRALT, M.D.

*ORLANDO BROWN, M.D.

I G. Postan, M.D.

C. F. Staxua H D.

*T. M. HILLS, M.D.

*J. G. Grassier, M.D.

M. Srosma M.D.

Ruses Barre M.D.

Treasure.

E. P. SWARET, M.D.

Surday.

S. B. Sv. Jens, M.D.

Consulter in Matters of Professional Interest in the State.

N. E. Wospex, M.D.

J. H. GRANNA, M.D.

PELLOWS ELECTED IN 1845.

Hustiani County.

*Geo. Clary, H. G. Hows, H. O. Allen, W. H. Tinker,

G. B. Packard

New Horse County

S. G. Hubtard, Chas. H. Pinney, H. A. Carrington.

N. Nickerson,

M. C. White.

New Lendon County.

Patrick Cassidy, * G. H. Jennings. J. G. Stanton, L. S. Publick,

J. La Pierre.

Parjulf City

Willis Commings, J. W. Weight, G L Parter, W C Wiles

C. R. BIII.

Wedday Coulty

C. H. Rogers, Fred'k Rogers, H. P. Hammod,
* Lowell Unitrosk

* F. X. Bander.

Middlesez County.

J. H. Grantoni,

A. B. Worthington, A. M. Show,

P. V. Burnett.

Linkfield County.

W.S. Munger, * R.S. Goodwin, Wm. Dening, C. L. Blake,

Win. J. Ford.

Tilliant County.

F. Gilmek.

W. N. Clark,

E.F. Flint.

Follows and Brothers of the Consentient Malland Society:

I rangestrate you an the pleasure of our amending this say in accordance with tune-bounded range. We west for social pleasure and for business; promptages in the discharge of the daties we next to transact will contribute to our social enjoyment.

You will parken me if I excuse myself from any extended remarks to-day, and limit myself to miling your attention to some of the most important business matters which claim our time.

First of all it is my duty to remind you that a disruguished annelses who has been with us for usury yours is absent to-day. I allow to the less Doctor Chamberlain of this city. At the time of his duals, but September, he was one of our vice-presidents. He performed the duties of Secretary of this Society for eight years with acceptance and notice.

As Secretary of the State Board of Health, he possessed the gifts of intellect, the pumetaking care and the scholarship, to erect a menument which shall last when we shall have been gathered to our fathers. This is not the time to pronounce his enlogy; let us at least put on record some its expression of the high esteem in which we regarded him. May we all reverence his memory and imitate his voture.

In armediates with a vote of this society a special meeting of the Fellows was called in this city hat January to take action in reference to revising the charter, some revision having been mode accessary to remainments the dissolution of the bond existing between the State Medical Society and the Medical Department of Yale College. Two features in the revised charter eligibed much discussion as you will remember. No final action was reached; the whole subject was put over to the receing with a reference, in the meantime, do the county societies. Two of the county societies have handed in an expression of opinion. It would seem desire like that this whole maker should be disposed of and the legal statin of the society established;

The perpention to so away with the fellows involves a radical change in the constriction and character of the society. It is now a representative tody, the county as evine are the primaries. This tody, by the change, will be reduced to a primary or simply a mass-mosting. It seems to the chair eminently proper that as radical a change should be well considered. And it is to be toped we may see our war clear to dispose of it and let us have posses.

The right of conforming degrees on non-graduates would not seem to be of so much expertance, since we have long alone execut to exercise it. The some seems to be. Whether we shall discard so the piece of functions than has council to be of use, or send it to the artis for few it may some time to other become useful again.

The subscriptions to defray the exposum of printing the back, refurnes of the transactions have proved insufficient to meet the printers' bills, and there is a deficit in the treasury which must be provided for to prevent a lien remaining on the meisty. I would suggest that the debt he provided for by a tax.

The Proofost they appropred the following mountains

M. C. White, M.D. J. G. Stanton, M.D. L. Helbrook, M.D.

On County-Resolve,
M. Storre, M.D. J. La Pierre, M.D.
H. L. Hannesont, M.D.

S. B. St. John, M.D., er opter G. B. Parkard, M.D. W. C. Wile, M.D. On Hannery Members and Degrees.

W. H. Carmalt, M.D. F. Rogers, M.D. C. H. Pinney, M.D.

Andring Committee.

Wm. Denning, M.D. A. B. Worthington, M.D.

To Named Transport

S. O. Hubbard, M.D. C. H. Rogers, M.D.

The Treasurer's report for the past your was then read by the Treasurer, Dr. Swassy. Owing to the absence of any returns from LitchBob! County, on account of some confusion arising from a change of clerks in that county, the report was incomplete. It is greatly to be desired that such changes should be as infrequent as possible, as the duties of a County Clerk count to account satisfactority at eight, and we trust that our present elocits will long retain the places they fill so well. Collections have been faithfully attended to: in the main—Leaving out Litchfield County, we note only treasty-four members in arrears for takes of 1884.

Annexed is a summary of the report.

REPORT OF THEADTHER FOR YEAR STRIKE MAY, 1485.

Balaste from old account,	1	- 0	\$582.02
Received during fiscal year,			153,40
Total,			81,036.72
Expenditures.			687.20
Balance in fremenry, May, 1885.			619.12
Diminution of recepts from 1845;			187.80
Diminution of expenses from 1383,	-		60.28
Excuss of expusses over prosipts,			31.50
Diminution from Inlance of fast year,			33.90
Amount that are term of	1084		
Hambook Planate			North Lines

		Arrest Ave as form of 1684	******
Hartford C	ounty,		Nothing.
Wieller	-	The second secon	31
Tulland	100		31.
New Louds	a County	Y	- 11
Fairfield.		9 taxes = \$18 loss 10 per cent.	810.20
Middlex		7 tax = \$2 km 10 per cents, .	1,80
New Haven	1 ×	If taxes - \$28 less 10 per com.	25:20
Litelifeld	2	28 lakes - \$56 loo 18 per cent.	39.19

Total.

891.60

The expression unlaworable comparison of this report with that of last your needs an explanation. With the exception of Litch-field County, there has been a better general collection of the tax, but from this county I have received nothing, for which I can give no explanation. This tax collected in full would make a slight improvement on the report of last year.

The collection for the publication of Boyriots of the Old Perceedings amounts to \$245.10, from the following source. Hartford County, \$100; Now Haven County, \$103; Fairfield County, \$25; Tolland County, \$17.50, the list and only county contributing its full quots. The expense of this publication amounts to \$107.70; this sum including a bill of \$38 for copying, and \$47 for pumpe. Towards the payment of this bill \$01 has been made, having \$194.50 in the treasury, contributed for this purpose and a balance of \$252.70 to be raised.

I would draw the attention of the members of this society to the serious consisteration of the subject of dounquests. It is a cause of just profession to the constant make full or resulty complete collection of the taxes but it access an impossibility to reach perfection. I am well aware that this deficiency is in no size due to neglect of duty on the part of the clerks, on the contrary, I can affirm the attent orderers on their part to make these collections complete, in more matrices by personally cultiflating to fill the quota. This should not be, for, while in some few instances it may be an impossibility, I am inclined to the opinion that it is offerer a unities of neglect or indifference, resulting in an annually increasing perfectly and annoyance to the clerks, for which there is no adoquate compensation.

From the communications, it appears that many of those in arrears have been so for a number of years, and make no response to requests for maynear. I would slaggest that at the present meeting some decided action be taken, surpowering the circle to act in the matter—to acceptant the reasons of non-payment from those in meetin, and where there is sufficient evolence that such non-payment is simply due to neglect or indifference, the parties be notified that, naleso payment be made within a limited time, his time will be dropped from the roll. Langation involving such small amounts could not benefit the society inametally, and could only lead to disagreeable results leaving the object expressed in this report still mattained. The Treasurer's report was referred to the Auditing Community, who enhangmently reported that they found it convect. Their report was accepted, and the committee discharged.

The Socretary then rend the Report of the Special Meeting, called at Harrford, January 14, 1885, as follows:

Spirint Meeting of Councilina Medical Society held January 15, 1886, at Council Council Chamber in Hardard.

Meeting called to order by President R. N. Commus. The call for the meeting was read by the Secretary.

Report of the committee appearled at May meeting, 1884, to comider necessary changes in charter by sensor of separation from Yale Medical School was read and accepted.

The committee appointed May 29, 1884, he consider what changes in the Charger of the Connection Medical Society are required an account of the dissolution of the seion between the Society and the President and Pelions of Yale College, formed in 1810, and variously modified by amendments to the Charter of the Medical Institution of Yale College, would respectfully report

That, by an agreement between Yale College and the Connecticut Medical Society, dated December 24, 1864, which both parties have agreed to join in requesting the present Senion of the General Amenday

to confine by a suitable legislative act, it is provided that

"IV. The President and Pellows of the Connection Medical Sectory shall have and enjoy, in addition to the powers new vested in them by the Charter of mid Secrety, power to appoint a State Examining Committee, who shall examine such an shall be found qualified for the practice of physic and someony; and to receive them at their desire as members of said secrety in their respective evanties; and to confer honount degrees in medicine on socia of the faculty as they may from time to time find of distinguished merit."

For the purpose of carrying into effect the provisions of said agreeness dissolving the saion between Yaie College and the Connecticut. Medical Society, the consultive appointed by the President and Fellows of Yaie College have prepared the form of an Act which they will ask the present General Alsewaldy to adopt, in which it is provided that

"The President and Fellows of the Connecticut Medical Society are bereby invested with the powers mentioned and set forth in Article IV of said agreement of December 24, 1884," as above recited.

If the contemplated set is persol by the General Assembly, including the section above quoted, the society will have received all the printleges which they gave up by the Articles of Union adopted in 1810. This contemplated section will however, conflict with Section 4 of the Charter of the Connection Medical Secury, which should be desept to read.

"Secretor 4. Bereafter to one shall be admitted to membership in the Connection Medical Society, unless in shall have received the degree of Doctor of Medicine, or shall have been examined and ticrosed by said society."

Whether the importants of this new form of Section 4 is sufficiently ergord to call for a separate Act of the Legislature amening the Chan-

ter of the Connections Medical Society, admitt of a doubt,

Tour committee find that within a few years variess changes in the organization and management of the society have been proposed, in the form of hydrone or alternations of the charter. Yet, while you committee do not find in their appointment, as reported in the proceedings of 1984, any instructions to consider and report on any changes not required by the discolation of the union such Tale College, your committee see of the opinion that the present meeting, called to consider changes in the cluster, would be a consumint and appropriate time to consider any and off changes in the Charter of the Bodery which any needed may desire to present. And your considers would consider it inexpedient to apply to the General Assembly for minor alternations of the charter, until the society is satisfied that no other alternations are required.

All of which is respectfully saturitied,

F. L. DICKENSON, M.D., MOSES C. WHITE, M.D., RALPH S. GOODWIN, M.D., CHAS JAS PON, M.D., M. STORRS M.D.,

Committee to empiter Require of Charter of Commetteet Medical Society.

Dr. White suppl the necessity of certain changes in the charter, and offered as a micros that a Proposed New Charter which he had had published and circulated among the Petova he adopted by the society. In having been thereon has to take the subject to section by section, the first section which was steatful with the first section of the present charter was such and subprod. Dr. Grieweld nected to among the second section by striking out the works for shall have been examined and fromsed by said a certy. This was extensively discussed. Finally it was moved that the section and amondment to laid upon the table. A year and may valor being called for, resulted in recenty-box offmantise and one negative rots.

If was then reged that the Proposed Cearter as a whole he land-

on the table, and that a copy he went to such associate of the State Society, and that it be brought before the several County Meetings by the clocks of the County Societies, with a special request that action be taken upon the subject.

Dr. Hubbard moved that a committee of three he appointed by nomination to prepare a proposed set of by-laws to be framed in accordance with the proposed new charter, to be consistent by the County Someties at the same time as the charter. Motion list. It was then voted that the report of the committee proviously received, be adopted.

The following members were appointed delegates to the root meeting of the American Medical Association: Dra Steven, Howe, Swarey, Carmult, Casedy, Wilson, F. W. Chajen, Oso, L. Porter, Adverment.

S. B. St. JOHN, Sometry,

The Countities on Unfinished Business reported as follows:

Ge/monthly on the attendment proposed but year, "That all the ex-Presidents by incorporated into an mivitory Committee to be Fellows ex-oficial" as being incorniscust with the Charter of the Society and inempedient even in legal.

Un/morably on the proposition to appoint additional special standing Committees

The report was adopted and the Committee discharged.

Dr. White offered the following metion.

Resolved, That the Provident and Fullows of the Commerciant Modical Society, heavily appears and accept the powers and responsibilities conferred and justiced in the recent action of the General Assembly "conferming an agreement between Yale College and the Connecticut Medical Society."

Rembol, "That the Secretary So directed to He a copy of this Besolution with the Secretary of State."

After emaiderable thermsoon by Drs. Griewold, Wile, Hubbard, Paddrck, Cleaveland, Herkwith, White Porter, Worlin, and others, it was carried by 22 to 14 on a yea and may vote.

Dr. Swarey offered the following amendment to the By Lawre

Washed, That the County Dierks be supported to drop from the roll without further artice the names of those members who perstructly neglect or refuse to pay their taxes without showing unflorent oridence of their inability to do so.

Under the rule this was laid over for artist next your.

The Constitutes on County Resolves reported is Plat the proposed change of Charter of the Committeet Medical Society, is imagedient and should be indefinitely postpoord? After unconted discussion by Don Storre, Hubbard, White, Power, and others, a substitute was adopted by a voccut 47 or 15.

Resolved. "That the Proposed Charter be published in the Proceedings, and that action be postposed to the Annual Meeting of 1586."

It was also mad, "That a Committee of three be appointed by the President to obtain an expression of opinion in regard to the adoption of the main features of the Proposed Charter from every member of the State Society, and to report the result to the next Annual Reeting of the Society. (The President subsequently appointed as this Committee Dr. M. C. Winte of New Haves, Dr. L. S. Pattinek of Norwick, and Dr. Wm. G. Brownson of New Canada.)

The Secretary burning reported that by reason of a minimize standing of the new amendment regarding the appointment of members of the Nominating Committee directly by the Country Society, four Countries were unrepresented on that Committee, on his notion it was noted to suspend the By-Lacra for this securion and allow the Fellows of New Haven, Maddisex, Literalds, and Tolland Counties to select their monimating members as formedly—this having lawn done, the Nominating Committee was an membed as follows:

H. G. Hown, M.D., Hartherl County,

C. H. Pixxer, M.D., New Herse Courts.

P. Cassur, M.D. New Lendon

J. W. Wesser, M.D. Pairfield 0

H. L. Hawson, M.D. Windian

W. S. Hessen, M.D. Litchfold -

P V. Busser, M.D., Middless -

F. Gusson, M.D., Yolimid -

This Committee subsequently submitted the following list of efficers and delegants for the country year:

President B. C. Kinney, M.D., of Norwick.

Vice-President Summed Hutchins, M.D., Danielsonwille

Transmire, E. P. Swamy, M.D., New Britain

Scenary, S. B. St. John, M.D., Hartford.

Committee on Matters of Professional Saternal, C. J. Fox, M.D., W. H. Holmer, M.D., A. M. Shew, M.D.

Committee to Numberte Physician to the Retreat for the Juneau R. S. Grodwin, M.D.; Lowell Holltrook, M.D.

Committee of Publication,

I. W. Lyon, M.D., Secretary, and Treasurer (se office).

Committee of Arrangements.

C. A. Lindsley, M.D., C. E. Park, M.D., M. C. O'Conner M.D.

Dissertator.

F. E. Bockwith, M.D.

Albiroute.

A. E. Abrauts, M.D.

Delayates to American Medical Association

P. L. Dickinson, C. E. Hammond, H. W. Buel, J. G. Porter, C. H. Pintoy.

Delegates to Maine Medical Association.

Dr. A. A. Holmson, Dr. H. L. Hammond.

Delegates to New Hangahire Medical Association.

Dr. James Campbell dr., Dr. C. C. Godfrey.

Dr. C. M. Carloton. Dr. W. W. Knight (Shamu).

Delegales to Manuchurtts Medical Amerities.

Dr. L. B. Almy, Dr. A. B. Worthington.

Delogates to Rhode Johnal Medical Association.

Dr. W. H. Carmalt, Dr. J. B. Kent.

Delogates in New Jersey Medical Association.

Dr. F. E. Beckwith. Dr. C. H. Rugers.

Delegates to New York Mathial Association

Dr. S. G. Hubbard. Dr. C. H. Bill.

The Secretary was instructed to cast the ballot of the society for the foregoing officers, who were declared elected

The Committee on Honorary Numbers and Degrees, reported the name of Austin Flint of New York, to be an honorary member.

According to the By-Laws, this many was laid over for action at the root mosting.

The Committee on Examination of Students in the Yale Medical College reported as follows:

The Faculty of the College and Des. M. Storrs, G. F. Lewis, and J. H. Generius, representing the State Society, not at the College on June 23, 1884.

The specting was railed to order by Dr. C. P. Lindsbry, Dens of the Paculty.

Dr. M. Storm was elected Chairman of the meeting, and Dr. J. H. Granties was chosen to report its proceedings to the State Medical Society.

The examination papers of the candidates were scanned by your conmittee, and one is performed was presented for an onal examination.

It is but fair to my the committee were well pleased with the gualemanly bearing and the intelligent answers to the practical questions presented to them. All the candidates were granted degrees. Following is the flar:

George Samuel Wright, John Gale Stevens, Denis W. Barry, Oliver Thomas Osborne, Frederick Sefton, George Fred Lewis, A.B., Danish Chanter Brown, Henry Lowenzo Swain, George F. Dectints.

Attest, J. H. Gairston, M.D., Squette.

Report accepted.

This is the last report of the kind the moiety will have, as the connection between the two institutions has been dissolved.

Communications on the subject of "Medical Rimstian" from the State Societies of Nebraska and New Jersey man, on motion of the Secretary, referred to a committee of two to be appointed by the President, who should report to the society next year. The President appointed as this committee, Drs. N. E. Wordin and H. A. Carrington.

Fotor, That the annual tax of \$2 payable on and after June 1, 1881, he assessed on each member of the Somery, also, that 700 copies of the Proceedings be published.

Mored, that an additional tax of \$1.25, payable on and after June I. 1885, he assessed on each member of the Society, imbject to relate in proportion to the subscriptions paid in by the respective counties to definy the expense of printing the early proceedings of the society.

Middle het and the Treasurer ordered to pay this indebtedness from funds now in the Treasury.

A communication was read from Paintield County Society, emboring the application of R. B. Grissold of Banksville, as related physician who desires to become a member after articlactory variation by a committee of the State Society,

Vosed to inferincely postpone action on the subject.

The Convention then adjourned to meet the 4th Wednesday in May, 1888, at New Haven.

S. B. St. Jone, M.D. Stratery

THE ANNUAL CONVENTION.

Taymbay, May 28th.

The second day's exercises began at 2.30 siclock, with the report of the Secretary, as follows:

SCHREAMS'S ASSOCIA

The past year shows a very gratifying intreas in our memberstap, not quite equal, it is true, to the increase last year, but more than the average increase of into years. We have received thirtysex new members, of whom New Haven County contributes 10, Paintis): 8, Hartford 8, Tolland 3, Litchfield, Winsham, and Maldissex each 2, and New London 1.

Eight deaths are reported, turies as many as had year. In the death of Ds. Chamberlain, our late Secretary, the society fosse an active, intelligent worker, a man of remarkable excessive ability, and devoted to the work of building up and strongthening this receiv.

Hr Andress Bearistey was well known in our meetings as a

vigorous controversialist, and his absence will be felt. It is a said coincidence that he was selected to write the elatuary notice of the late Dr. Jewetz, and sent me word only a short time before his death that he expected soon to begin it.

Drs. Warmer, Edwards, and Abernothy were guadeates of about twenty years ago, and were taken away, as it comes to us, prematurely.

Drs. Hickok, Tyler, and Melatosh belonged umong our older members. I have to the respective biographers the pleasant task of telling why and how we honored and respected those whose names I have recorded.

Fourteen removals leave us a net gain of fourteen, and the total membership of the Society, 400.

The following is the list of the new members, with date and place of graduation:

- C. V. R. Creed, M.D., New Haven, 1837, Vale.
- C. F. S. White, M.D., New Haven, 1881, Yale.
- S. D. Dtis, M.D., Memden, 1817, University of New York.
- O. J. D. Hughes, M.D., Meriden, 1875, Long Island College Hospital.
- Wm. H. Cenklin, M.D., Ansonia, 1882, University of New York, F. M. Loonis, M.D., Birmingham, 1881, Yule.
- Jas. L. Terry, M.R., Meriden, 1971, College of Physicians and Surgeons, New York:
- Young L. Axielle, M.D., Waterbury, 1898, Bellevan, New York,
- J. W. Jewett, M.D., New Haven, 1881, University of New York.
- L. C. Vinal, M.D., Branford, 1880, Yulu-
- J. E. Root, M.D., Hartford, 1883, Collage of Physicians and Surgeons, New York.
- J. H. Word, M.D., Hartford, 1881. College of Physicians and Surgeons, New York.
- Charles Womter, M.D., Tariffeille, 1879, University of New York, G. L. Porter, M.D., Harnford, 1881, Glocago Mulical Gallege,
- E. G. Fox, M.D., Wathersfield, 1882, University of New York:
- Edward Swarey, M.D., Hartford, 1878, College of Physicians and Sampona, New York.
- Jun J. Morrissey, M.D., Hartford, 1884, University of New York: Frederick Walsh, M.D., Roukellie, 1884, College of Physicians and Surgeons Ballimore.

W. V. Welson, M.D., Willington, 1867, Yale.

W. C. Havon, M.D., North Country, 1877, University of New York.

E. H. Bidwell, M.D. East Haddam, 1882, Dartmeenth.

W. A. Bussell, M.D. Exex, 1881. University of New York.

William J. Ford, M.D., Washington, 1888, New York.

William C. Duning, M.D., Litchfield, 1884, College of Physiciam and Surgeons, New York.

E. E. Gayland, M.D., Woodstock, 1818, Yale.

Chance E. Hill, M.D., Killingly, 1878, Harvard.

Patrick Harrisso, M.D., Nerwich, 1884, University of New York, Charles S. Darby, M.D., Stamberd, 1866, Charleston Medical College.

Samuel Pierson, M.D., Stamford, 1881, College of Physicians and Surgeons, New York.

Wilber L. Watson, M.D., Durbury, 1884, Long Julatel College Hospital

George Banks, M.D., Danbury, 1884, College of Physicians and Surgeons, New York.

Juo. G. Stovens, M.D., Menroe, 1884, Yalo,

A. N. Phillips, M.D., Bridgepori, 1882, College of Physicians and Surgeons, New York.

Ed. B. Morgan, M.D., Bridgeport, 1881, Long Island College Hospital.

Charles S. Murray, M.D., Norwalk, 1873, College of Physicians and Surgeons, Toronto.

Dwight D. Johnson, M.D., New Britain, 1882, University of New York.

In accordance with the instructions of the Switty, Lette copies of the early Proceedings down to 1810, have been published, and a-copy sent to each member of the Society.

The President then real the Annual Address. Subject "Nervouces," which was listened to with marked attention and favorably commented on at its conclusion. Subsequently the following foscinties was adopted:

Mondard. That the Commonwest Medical Society endorses heartily the sentiments and opinious requesting the effects of over-pressure in our actively upon the health of the children, as not forth by our President in his Americal Address.

The Committee on Matters of Professional Interest reported at roundenable length through the Charman, Dr. N. E. Wordin.

This report, which will be found further on, was characterized as one of the best we have over had of its kind. The committee required from the usual custom of simply collating and classifying betterogeneous data, and endeavored by means of circulars and personal appeals bethe members throughout the State to direct mean tigation into contain limited channels, hoping thereby to arrive at more definite and specific results. The report was accepted and referred to the Committee on Publication.

Drs. Brown of New Hampshire, Davis and Mussell of Massachuetts, Wiley of New Jersey, and Palmer and Hutchinson of Bloods Island, delegates from the Medical Societies of their respective States, were introduced to the society, and made short speeches; all beautily commercing the obeas on forth in the President's Address, and expressing gratification at meeting unit us

The President extended to the members and to the nisking delegues the invitation of the authorities of the Hartford Hospital to visit that metitation storing their stay in the city.

Dr. Wile of Sandy Hock, then read a number of Surgical Cases which had come under his case during three years part.

Dr. Camidy of Norwich read a paper entitled "Are there any Symptoms or Criteria by which we may diagrams Insanity?"

The following papers were read by title:

"The internal use of Germicides," by Dr. W. W. Knight, Hartfoot.

"The Treatment of Stricture of the Urethra," by Dr. F. H. Whittemore, New Heren.

"Angina Pectoris," by Dr. S. W. Turner of Chapter.

"Conternial observations on the Past, Present, and Pature of the Connections Medical Society," by Dr. S. 67. Hubbard, New Haven.

⁴⁸ Suggestions on the Thempeutical use of Capacium, by Dr. A. T. Douglas of New London.

These papers, and the Utelegary Notices of the members who have died during the past year were referred to the Publication Committee.

On motion of Dr. Wainwright, amended by Dr. Wile, it was ordered that in fature, essays to be read before the society should be finance to 28 minutes to length, and discussion on papers to five minutes for each participant. The Committee to Nominate Empires reported the following sames:

R. W. Griswold, M.D., Hartford County.

S. D. Gilbert, M.D., New Haven

J. M. Wright, M.D., Fwirfield

H. L. Hammond, M.D., Windhen "

W. S. Munger, M.D., Litchfield

J. G. Stanton, M.D., New London "

T. B. Bloomfeld, M.D., Middlesex "

H. S. Dsan, M.D., Tolland.

The melety then adjourned for the sumual dinner at the United States Hotel.

& R. St. JOHN, M.D., Santage

11

PRESIDENT'S ADDRESS.

MEMBERS OF THE STATE MEDICAL SOCIETY:

In discharge of the darp of this boar, I unvite your attention to the subject of Nervouscoe. In every day life there is no word more common with us, and perhaps none more difficult to define. If I should show a young student a case of small-pex he could easily diagnose without aid, a second case, but if I should present to him a case of nervouscous, he might not see another just like it in a lifetime. Small-pox is a disease, nervouscess is a condition. Small-pox has a specific cause, nervouscess may be induced by a great variety of causes. However, indefinite the word may be it is a broad mantle that covers a multitude of physical size. I desire to treat nervouscess as a condition, and not as a specific disease.

New Englanders have the credit of being the most nervous people on the face of the earth. We think it equally true that we are the emartise, and the most go-sheed people. If common fame persists in making us bear the one, we shall surely claim the other, for it is consided on all hands that the two things go together. It is a question consently worthy of consideration whether we had not better go slower, be more deliberate, is our movements and become loss nervous.

Nertousses at the most of organic disease we do not propose to consider. In an unscientific and practical way we desire to call attention to the extremely servers condition of a large percentage of New England people, and consider some of the cames.

We have been living first for a quarter of a century. All medical men who have given the subject any attention testify to the raped and universal increase of nervousness.

According to the reports of institutions for the insert that have come under my observation, the cause is unknown in roote than 40 per cent. It is a condition that is brought about or rather come about, from a great variety of causes that are not dependent on any organic lesson, in the as we know, they are not from inance, but like Topsy they grow manne. Neither the specialists, for their folioids, know exactly hose. This form of insunity is largely due to nerviceness, and is one place of it. A great portion of our pervents patients are not lessons, though they vibrate very view to insunity at times, and in paroxysom of high excitoment bear a close resemblance to luming.

Nervoussess has come to be a characteristic of New England people as much as an almost eye is a peculiarity of a Chinaman.

On the continues you tray see the English and Gormans taking their enumer turation as quietly as though they never expected any other occupation in a life time.

A New Englander goes ruching result at such a rate you would think be had taken a contract to do all Europe in analy days. I beard a city membert make his boost that he had been through the famous Dresslen goliery in forty minutes. An Englishman or a German would have spent thirty minutes before Baphael's Madenna, and ten more at the portrait of Napoleon the First. It is said to be the best that was taken of the great French Emperor. When a man not in a lurry looks at this portrait a bird's eye view of the semblerful life of the great soldier comes before him and he is refureant to leave the spot.

We Americans have a chronic habit of rectlessness, excitoment, and push in our daily life at home and about sick or well. Go where we will the popularity copps out.

Nervomen is beening more and more a characteristic of all persons whose standard of health is below per and it complicates amplituantly the symptoms of many real diseases.

A few sample cases from actual experience may illustrate the views we have himsel at.

During the evening of the second day of my independent profess festional life, a fine looking elderly gentleman, called at my office to request my attendance on his sector, at the sern house the following day at 2 e. w. He hoped I would be at better as his sister. Lad been out of besith for several years and would wish to give a full account of her complaints. You can profty select diagnoss nervorsesses when the patient attacks great importance to a full history of her pseular case (such cases are alwa)'s perniar). You may copuled a returnel fortunate if they do not inject into the natural set the history and poligness of their ancesters.

Promptly at the hour I presented myself to my trid patient.

Mass —— was an elderly lady on the shady side of forty. She was
tall angular, storp-featured, with critical black eyes, and a strikingly nervous temperaturent.

First of all my patient informed me that she had been obliged to make a personal study of her own case. She had in her possession two family doctor books. She dilated on the respective ments of each. She was a subscriber to a health journal, and had the reading of a subjects paper which doveted a column a week to hygimse. With this introduction she hoped I had belone to hear a full account of law case. You may imagine it was a full account, for she detained me an hour and forty minutes. A German posfessor on symptomology could but have given more symptoms, in a full hours' locuire.

She went from the hot place on the top of her head, to the cold ankles and the neuralpic point in her great too. There was no organ that escaped her notice. She had scattering pains that went galloning around like a flying artiflery on a skirmish. She attached as many adjustices to her house as ever linius Choatedial in his largest contenous. They were excruciating, tormerting, distreesing, and all that. At last she cause to a sudden fialt, took a door implication, boked me square in the face and as I had fewerd asked "Now what do you think my complaint is?" Having anticipsted the question I was prepared to reply, "Madam, you are combine." My patient had informed me during the interview that she had just dismissed a dress-maker, who had been in the Louisfor two weeks. Whenever a nervous wirmen confesses that she has duringed a dress-maker or a kitchen servant, it is always wise to tell her she is mentione. In this instance the diagnosis was a success, it was emirsuity to the bely's emisfaction, "that was what she throught." In my experience no diagnosis, is so conducting to a nervous woman as the assurance that she is section. It is us scothing as a positive to a variouncle.

My patient had a private moone of his own sufficient to maintain her contomically without work, which would have been mortilizing to her family pride. But her namely was not equal to a trip to Europeovic California. Two or three weaks in the country or at the wastle was all the transition her mains would allow. Six namels in California or on the continent would have made a well woman of her. In that time she would have forgotten bound and bee allowate, coming to rout her health journals and her doctor books, the would have found hereoff a well woman. I am not ser, tase but a doctorale proportion for marriage would have had an equally favorable effect. But as nother of these sentiary influences came to her ruled, the continued to downto borself to her medical investigations and the mady of her own case. A disappoint ment in early life, and a life without a purpose, made this woman, as it is making the medic of others, an invalid for life. As for means also had note. Her complaints were legion, and no amount of reasoning could reduce the number. In spite of them all she lited to a good old age, and sent to her rost with her both drinks beside her.

A few years later I was called out of town to a woman age about forty five, who had been hed sidden for three years. She had consulted all the document the violaity and was no better. A careful womination convinced me that the patient had no disease whatwer, and that a combination of unlayorable circumstances had conspired to being her into her present condition.

As she withoutly had no disease, the problem was how to break up the condition and depot the delineter. After some thought, I hit on the following expedient. I ordered an ounge of analyses of (separatura) and gave very minute and particular directions for atcoping and taking the ten after taking a certain number of doses the patient was to be after from the bed, placed in an arm-chair, and taken to ride, with instructions now far to ride each day, till I about wait her again. The lady democred and insisted she should do if she altempted it.

I also instead and gave directions to her hishard privately, not to full in complying with the orders, "notens, volens." The instructions were complied with, ten days labor the lady was in her kinches superintending her demostic affairs. The device deprived the of a patient. Sox years later, she was a robust, healthy woman, ready to joke me for having hundringed her so storly. In retaliation she has not allowed a doctor inside her bosse since. Take this case as a good illustration of the effect of mind own on this case of patients. A treatment just as good for servous prople as any other when it accomplishes the purpose. They are must excellent subjects for minimum loss ourse.

I was called in great hance to flow. Mr. - who had become direct in church in the moist of his sermon, and was carried to his

bone in a semi-unconcious condition. Found him in a terribly nercons state and greatly excited about himself. His first question was "How long can a man live after he is taken with hydrophohis?" Three mentls previous the patient had been bitten by a dog on the leg, where he showed there had been a slight abrasion of the skin. He had suffered pair in the limb, and in the occipent. He also complained of twitching of the muscles of the throat and the leg. Was subject to unpleasant dreams, and violent startings. in his elesp. If he could retain his mind so long he wanted to rall in a lawyer in the morning and make his will. I tried in vain to convince him that he had no occusion for immediate apprehension. He was too excited to be reasoned with. A liberal exhibition of bromide and eldoral secured him a good night's deep and restured his common sense. In the morning my first question was " What medical work have you been rending?" Eberle's Practice! 1 had consulted the same authority the night before and was prepanel to say - 0h yes! I thought so, you have an excellent men. ery, but you layer't hydrophobia, and are not likely to have it." Then came a revelation clearing up the whole case making a diagsocie of hyperemia of the brain easy and plain enough.

For three weeks the man had been taxing his utmost energies to bring about a reveral in his church. He had presched three times on Sundays and every examing during the week; such occurring wound up with an impury exetting of an insur.

I advised an immediate constant of bottlities to his necessarily system, recommended a nix months' variation and rest from mental labor. After countries Dr. Haumond of New York, and several other physicians who substantially confirmed my diagnose and advice, he took a six mentio' excursion.

Patients suffering from serve exhaustion almost always want a great deal of medical advice, and then like to not on their own judgment, which is never good, for it is greaty sure to be impaired by the tocaliar affection.

My patient processed a good physical organization and excellent health prior to this episode in his life. He returned to his parish and usual labors at the end of six months, and is at present in charge of a large and popular shareh in our of our large often

Mr. _____ age fifty-four, entered a machine shop at sixteen and had been in one over since. For the last fifteen years he had been supermiteniest of one of the largest factories in the State, and

and for the last three years had charge of building a large new factory, for which he had to invest and exestrant a new line of machinery. It had have noticed for some mentic past that he had been growing servous and very milable, he was cross and absentminded, combantly doing things that exhibited lack of judgment. For the last few nights he had slept but little. He talked extravagantly about his recent inventions. He favorite horse would note hear the record of "Goldmith Stod," who was then the queen of the turf. A few a week in hed and three weeks of confinement in his house, he was able to travel. Eighteen mentics run restored him to usual health and business.

I mote the following case from Weir Mitchell, M.D.:

"Mrs. C., a New England woman upon thirty three, undertook at the age of sixteen a severe course of months later and within two years completed the whole range of studies which, at the school she attended, wore usually sproud over four years. An early marriage; three pregnancies, the last two of which broke is upon the years of nireling, began at last to stow in less of Besh and color; meanwhile she met with energy the mustiplied claims of life, full of sympathy for every form of trouble, and neglected none of the duries of such a kinship, and set found time for sindy and ancomplishments. By and by she began to led tired, and at last gare way quite abruptly; she had reased to non-druite two sears holore, she grow feeble and puls, and in six months dropped in weight from 125 to ninety-free pounds. Every thing wanted bee, to est, to sew, to drive. Nature had at fast its revenge; walking became impossible, tied to her couch the grew dynamic and constipated, her morning temperature was 91.5. After the most careful examination I could find no disease of any organ, and advised a resert to the treatment by rest. In two weeks her weight ross from masty six to 126. After there slarty slays in bod she menotruated and was well in six weeks."

We associated see patients who are extremely nervous without are special cause. It matters little what they do or do not do or have carefully they live. Nervousness is an subsectance with them just as much as inherentesis or cancer. They have very acute our solitty, are beenly alive to all dangerendes things; the state of the weather, the electric conditions of the almosphere, in fact, all their conveniences affect the class of people. Not infrequently they have decided genine and excell as musicious, arrists, poets, or painters, and as public speakers,

He was very susceptible to almospheric influences, to hand and to cold, as well as to the electrical conditions of the almosphere

As a preacher be was more than usually interesting; his thoughts were clear and original and always refreshing to his andlesses

After he had possibled on the Sabbuilt. Monday was a blue day to him and he was very betimate if he had passed through the day without coming to the conclusion that he had mistaken be calling, soil feeling that he must alambou it. He was always conscious of (daysked (cally, and was in dread of breaking slows hydroxly.)

While strong on knowback to full and original his right make. The injury was not source to uself, but he was seriously proctained and so dishemations that he sought a disminion from his pastorm charge and sought rost in a sojourn abroad, at the end of which tone he wisely came to the conclusion that he was never (to use his two expression) to be like other men, and the best that he could hope for for himself was to be able to work under limitations in some field where he could preach or me as he might feel melified,

This man processed a low grade of animal life, coupled with a very fruit physical organization; when his strength would permit he was a very hright and attractive presenter. He had no disease, but was heavily freighted with neventary pervousees from birth, and his manner of tiving was investig to increase and confirm his perular idissymmacy functionally, at least his nerves nursual of proportion to his muscular and ossessus system; he was like a yasht, too much sail and too little builtest for this rough world,

We can imagine such persons to be organized for a more othernial existence than ours; about all they can do in this world is to live for a puradise in the future. I have dwelt particularly on this case as representing a large class of people in New England; they are not always very satisfactory patients. While free from organic dismusthey never experience the luxury of good leadth; they arises indulgs in the vain deliming that they could be cored and become like other people, if they could only find some device also could understand their case.

Personally all nervous people regard their own cases as something peraliar, when to the medical profession they are neither strange new, or mysterious. We will tax your patience to give only three cases of nervousness. Heredity, school pressure, and worst.

First of all we must recognize homelity as a pricery come of nervousness. In the words of Scripture, " The lathers have rates must grapes and the children's teeth are set on edge."

If you were to mand at the center of the gunn national bridge at St. Lords, you might look down on two streams of water, each flowing distinct in the same channel; on the wost, the turbed waters or the Miconori, on the cost, the clear blue waters of the upper Miconorpol.

These two great streams of maser flow on, side by side, separate and distinct for mote and ultimately libered in such other, and take on the stronger characteristic of the Missouri, which it returns factors into the Gulf of Mexico. Thus it is with life, two streams of ancestry mingle is such individual and as a general law the stronger character, for the time being, personniates but never so strongly that some features of structure, or character pertaining to the weaker, is not represented.

When the child is superior to other or both parents, we have the sure combination of the last qualities of each.

Literal originality is so care that, we may safely say, an original character is sucknown.

Each member of the bound handy is, in structure and functions, the recapitulation of all that has gone before, an options of his societies. Every feature of organization, every trail of character is, more or loss, hereditary and has had its autocolouts.

In reproduction we transmit not only what we inhorit, but, what we are at the time being; not the powers and families which we neight or oright to have had in execcine but, those which actually predominated at the time of conception. This accounts for the differences which we constitute see in different members of the same families. These qualities are most marked in the children of parents who present strong mental characteristics, and are subject to great viries males of isotings and passions.

If we could apply the same intelligence to the propagation and development of our own species that we do to not demostle animals we should witness a very different class of mon-anil women from what we now see.

It is to be toped that some time or other we may apply as sitted intelligence to the development of our children as we do to the rearing of our domestic estimate. But we must first learn that our children have animal testies us well as minds and that their bodies are subject to the same physical laws as other estimate; as it now is, our animals are all the whole improving in all desirable qualities and our children deteriorating.

Compare the children of a farming district to those you will find in our graded schools, or look into unv public assemble and contrust the fathers who were reared on the farms, with their city-level. some and daughters. As a rule was will find a felling off equal to about receity-free pounds in weight, and recorresponding decimoration is everything dominable, there is a kind of flipport marraneous such as characterises small nervous people; or you may take the cars up through western Massachusetts and Vermont to the Canada line and make a nate of the physical condition of the people who enter the cars along the route, then make a similar observation along the New England road from here to Boston; our New Eng. land population in the large towns and cities a all the while deterioniting in all the test qualities of true numbered and true witnesshood; the Puritan stock is also deteriorating in numbers, recent statistics abow that for the last six years in a given number of foreign families there are twice at many boths at in the stene number of nature families. At this rate our noble New England stock is deteriorating rapidly and emning out. I know of no way of

accounting for this great change except in the radical changes we have been making in our physical habits.

The children of great brain workers are aftener below than above stemocrity; our last men, to a large extent, originate from annul stock in rather humble life, a parentage of good physical organization, strong common sense, industrous habits, fair intelligence, and a tite free from excitement.

An extincibed nerve-force, whether it be from over-work, excitenent, or urnained stimulation, whether in the stop, the study, or beamers tile, lowers the standard of leadth and propagates the preciding nervous condition of the purent in some form of nertons; the exact form will be determined by provailing commucances. It may be spilepsy, onlocality, includely, instally, or some sounding affection.

An inhuritance once exhausted or profligally wanted carnot be teamenisted to posterity.

INTERPREDICTE BY SCHOOLS.

is a prolific cause of acreamment. "My top or my girl is becoming so nervous and in irritation is school. I am at a less what to do " is a very ecomion complaint made to the family physician. It is very frequently complet with a request that we shall not advise the child to be taken out of school.

Not long since a very intelligent and worthy preliferan came to sak if the board of bealth could not interfere in some war to protect the oblidiren, as a section public school from rain. We suggested an anythestica to the accept for a Proventian of Crooky to Animals." Becomily, a prominent baryer in Hartford could some promy severe criticism on the seasoning of arithmesis, and characterized in an "an evil spirit." The next tenso of the Commit followed in the same win, in regard to English grammar. Still other communications appeared day after day. There means to be a wide-spread feeling of morphism and district: these complaints are in the line of overwork, and it comes from all parts of the requiry where there are graded schools.

Many servers and hitter things are said. Not long after a prominent educational man undertook to heat the complaints with redicular the convection that there is sensithing errorg in our school system is two wide-spread and too dought-rooted to be put down in this way; the rount will be what it has been in England. Dr. Christon Browns made a report to the educational department upon the alleged "Occuprences of work is elementary and pulific actions." The report contest in excitoment in the relocational circles only second to the Russian question. There has been a vigorous contest in which Dr. Browne has the best of it, public sentiment has made a verified in his favor. The array of facts on his side were irresistable; it will be so in this country. The London Laurer growing demonstration on morals on this subject, mostly on his sale.

Dr. Browne made his report from personal impriries and obserrations, he resided the schools in person, saw the pupils and put his questions to those personally, is brief, he found abundant secdence of the evil effects of undue pressure. In some of the most popular schools, from thirty to forty per cent, were suffering from headache, there was an increase of hycephalus chores, etc., and this, he says, is but a part of the increase of aeryous discuses generally, and the increase has been most marked the last ten years. He casumed 6.81% children in the clementary schools, on the subject of headsches, and found that 3,054 or 46.1 per cent. profess to suffer from them habitually. To verify the correctness of the replies, he abusined sursees in regard to the period of the day. and the part of the head affected. Later in his investigations he pursued the same method of inquiry in some of the country schools in the south of Scotland, and found the average only \$5 per contage.

Recently I have made some inquiries to activity myself if a similar state of things exists in this country. In one school of thirtyfive pupils there were seventeen who complained of healache; in another, of thirty-seven pupils there were eighteen. I was suinfied that the answers were correctly given; the general appearance of the children contenued their answers. The same questions were put in ungraded articles in country districts with a very different result. In one arbool of thirty papers only three were subject to healerons.

I cont out a handers circulars with a sense of questions, usually to attorization. The sincers in some cases exhibited a blindful ignorance coupled with a disposition to ignore the whole subject; others were disposed to incertain and report facts. An acting visitor reports 3,340 children; 2,750 do not mady out of senses; 540 analy one hear out of school; 150 mady two hours, 100 study three licers. 350 dream about their studies. 200 are nervous from over-pressure in study.

The following to from a gentleman who has been a athoni visfor in a solutory village, for over thirty years, a very careful (onscientions, panetoling man. The whole number of children, 182, average age, 18.6, 165 study one hour out of actual; 149 do not study out of school; 10 dream about their studies; 63 have headacts in the morning; 63 in the afternoon, and 30 at night; 140 mark out of school; 50 are necessar from over-presence in study.

Here we have over one seventh suffering from nerventeness where only a part are under the graded system.

The result of any impuister is our own state is as follows.—Pally one third of the children in our graded actuals suffer seriously from over-work in their studies; they become necrous and irritatile at home, lose their appetites, and run down generally during term time. Nerrousness is becoming a prominent characteristic. Diseases of the nerrous system are on the increase.

Nearly all the teachers with whom I have conversed on the subject, recognize and admit the over-pressure. Some say the way
the children are managed at home has more to do with it than the
school. "The children are allowed to go to evening entertainments,
to read exciting mode, and are allowed to sit up too late at night."
This class of teachers would have all the demestic arrangements
of the family concentrate on the school, the shidren must be managed for the school, and not the school for the children. All the
joys and pleasures of childhood should be repressed for the school,
and indulged in only during variation. Another class of teachers
must that the amount of studies they are required to take the
children through compute a constant affect on the teacher's part to
press forward the children and complete the allotted course.

Let me repeat what a teacher of name than thirry years' experience, in the highest grade of schools in Bessen has to say,—"The facts are that in our large cities, and in Boston especially, the school grace, by which I mean the idea that all school and no play is the true way to educate a child, overrides everything, and the result a the slaughter of the innocents." Whose fault a 4? All are at fault, parents for permatting it; achool committees for estimating the success of their teachers by the percentage or written examinations and teachers are intalled to stand against a countrities

and the community and lastly approximate and supervisors who do not know their testors and appress the adout by their written examinations. We are now adouting a race of invalid mothers. And it is time for the motival men who stand on the tower to sound the alarm. We have too much school—too little recreation—invalid children with no practical knowledge included."

Such, gentlemen, is the tentimeny of an educator who has, for the last twelve years, filled the position of head-master in the highen girls' subcol in Boston. A gentleman who has been a very successful teacher for many years, and stands high in educational circles, writes "What rotate could endure to be shot up all day in his counting-room, or at any other occupation which taxes the brain, as stridgen are, in school, without breaking down," but the child in shot up all day in an unwhole-some room foul with firth breath and perspiration which is hard for any body to endure: in addition, they must study at night or in the early morning.

Parents ought to try it a few weeks, and then their open would be spen. I have known many a bright child made an invalid, and the availables made permanent, or the stalid sarried to the grave, by this course.

Where things are strong factors in reducing the average health of children, for it is not always sutgrown.

Whereas, other things being equal, the average health and life of all people has been enlarged, continued, and improved, in this age: by the advance of moderal science, here we have retrograded. We require twice as much of scholars as they did half a century ago, and withhold all-maintary improvements from the average opposed youth. The multiplication of studies is a great cases of well; many children are overtaxed and are obliged to overtax themselves to meet the examinations.

How are no to compate our logar with facts? Superior advaninger load to inferior results. It is contrary to all human experisive. It is equivalent to saying a poor thing is better than a good are. It other weeks, a poor actual is bester than a good one. A single notence will solve the problem. The graded school as now conducted " in raulting ambition over-leaping itself."

The dil-dathioned school run in the line of rhild nature; the modern school cuts across the grain of natural physiological greents.

The common school was the cut-growth of the family; at first

parents imparted to their shilltren such knowledge as they themsolves possessed; then two or more families numbrised to improve a starter. In process of time this system catendal into geographic cal districts, and State exactments established the common school; we tredition in which a angle teacher instructed pupils from Jouryears of age up to sixtoon, and as much older as they might choice. Under this cratem each popul pursued his studies in his own way as less he could, with only occasional assistance from the number. To a large extent the studies were entired; it was a kind of a go so you please " system. If there were too pupils to south nietic of similar ago, units likely no two of them would advance together. This order practically extended to every study; there was no more uniformay in their madias than in their growth or their physiqueners. Practically, a single problem worked and solved in this way was a permanent acquisition and worth more for the fathers than half a dozen memorized from a teacher's explanations.

The present state of pushic feeling on the school question composition to give the subject constiting more than a passing notice. It is not admissible to join in the general cry of "many and manifold devils in our places of education." Some of you may have sourced, quite recently in our daily papers, or listened to, a spirated protest against "the Devil of Arithmetic," by one of Hartford's most gifted men. Immediately after, another writer appears against "the Devil of English Gramman, as now taught in our public schools." It is not fit that I should attempt to execute these cell aparts before this homerable association of scientific men; let us rather consider the subject from a physiological point of view.

We are constantly remainded by the younger portion of educational men and sponen that the present methods of backing are as much in advance of the old as the modern pulses car is in advance of the ald stage coach; and yet, with the worderful march of improvement at it claimed we have been making the last quarter of a contury, there are plenty of educational man higher up, who tell us with great candor, that boys educated in the old sed advolutional at the corners of the roads are better adapted for college or business life than the graduates of graded high schools.

I have the testimony from a great variety of notices. It is largly to be excited that all the specialities who have been devoting their energies to improved methods of teaching, have triffed out on an unknown sea, and been retrograding when they imagined themselves making rapid advances. Over one thousand children in England the list year worked in factories and shope. or on forms, devoting only half time to school; and ret, paradoxscal as it may seem, the examiners reported that those children had rande as much progress in their studies as those who spent six botrs in school. This fast is very significant when you consider that the fall-time children were the poor taken from the lowest. funities and subject to all the degreesing influences of poverty. Low by hensity, los in diet, and low in all the surrountings of life; and still the examiners report these tall-time children as riding to a lend with the most favored of the realin. The few mdesired schools in this country correbonds this bestimony. If these proposentations are here then enclude of the time now spent in our graded schools is worse than wasted, the half not spent in wheel could be devoted to physical training, which is only second. to mental training. Three fours per day from eight to extrem would be of great value in hardierall, in acquiring the use of tools and a practical knowledge that is desirable for every person to possees. It is a part of the species of training in the royal families of Europe that the sons shall acquire constrade. The Creare Prises of Germant is said to bare made the furniture of his own bulroom with his own hand, This is one of the mount adopted to prevent the deterioration of accounty.

THE OLD PERSON DEROOL.

If we had before us one bundred children at sixteen graduates of the old common school as it was shirty years ago, and another one hundred of the same age, graduates from the graded schools, we should recognize the difference at once. The first, would be remarkable for their physical development; the second, would be jude and mannic, sharp-featured, small muscles and benes, and possibly large bends. Put them all to work, and you will see the broatest country boys and girls take the lead.

We must not everlook the many excellences of our present effect system, for it is, all things considered, the best we have ever had excepting the crit of over-presents, and we have abundant masses to be proved of it; but in our soft gireffection we must not hold our heads so high as to stumble over the laulus that lie at our very feet.

The school and the church landed together at Psymouth Rock; the school has been our glory and pride from that day to the present; it has grown with us in all our growth. The Psigram and their immediate descending were tillers of the soil, and sport much of their time in the open air; they were a hardy athletic race of men and women, suitable to be the progenitors of a great pusple; every homshold was a hive of surkers; there seem no draws in these days. The farm and farm life is discarded for the factory: the old district school is consigned to the artic of togethe days like old furniture, but change of ideas and fashous will leting some of its methods into use again. It was after all, a good place to grow stoding uses and women. Many an illustrious som and woman has gone out from it. It was a good place to go from

THE READER PERSON.

The graded school is an entgrowth of the factory, and modeled after it. At a given bour the going sounds; at a given mirete the great engine moves and puts the whole machinery in motion, the doors are closed, and every man who is a mirate halo is docked an bour. The school hell rings at 5 o'clock; the instant the bell finishes striking the doors are closed, and every tardy one gets a mark; every papel is in his east; at the tap of a bell they rise, it taps twice and they all sit; three taps they all take their books, and so it goes on all through the day. Everything goes by clock week, Girls that are mentally quick and source morels to the fourt in the same leasons with loys that are slow and strong.

As you enter a factory where the raw material goes in, and follow through the various departments, you find every operative has his specialty, one man, for instance, punches a hole in a piece of iron another cuts off a pooce of wire, and a third fire the way to the hole and makes a rivet. And this is the life work of these operatives; this a what we call systemized taken.

Each operative requires but a short time to know his part of the business, and soon learns to perform it with great rapidity and skill; but he has no scope for intellectual development, he is left a cog in the great establishment. A decoration, more or less, do all the businessesk for a great establishment that gives supportment to 1,000 men. Again, you enter with the raw material the primary school; here the teacher has her little specialty; year after your she gass through the same process according to the printed schools. Going over the same course year after year, she is emposed to acquire greater skill in the work. As you go from rome to mean in the ascending grades you will see the labor saving system throughout.

Two objections are prominent in the system:

19t. Each child is not a duplicate of every other child, and is not like a lock that is an exact copy of 10,000 others, and a not, therefore, subject to the same management as every other child. Some can advance rapelly, others more more shortly. Untild nature inlights in variety, every child has his period of thing interested in different things. The more talent and general there in the more marked in this peculianty. One top, right years of age, will be interested in antamostic; another will take to geography, and so on. At another period of their lives you will first this order necessaries.

To illimitate this principle in cloud nature, let me give as an example a certain boy who was known among his fellows as "Stepad-Dick." Dick was sent to the primary, but he was not interested. and could not ofvance with the class. After a while he was allowed to advance because he was getting too old to stay where he was. So Dick went on her serveral years, the direct of every school he entered. They treed him in several different schools in the vain hope he would do something, but all to no purpose. I had beard about the boy, and became interested in him. I won. discovered that there was more real boy in . Stopid Dick " than in half a degen puls-faced, good boys that had all good searles and so bad once. If a group of hors were together, Dark was sum to be the budge, not one of these know so some tricks or sould do so. many things as Dick. He had the biggest double super in the city; reade it bounds. After a waite his parents discovered that he had a private telegraph of his pain, and later will a subphone. When he was fourteen years of age he built a small yacht, and miled from Middlesown to the Stand, and emised around to different watering-places for his vacation. There were two things in this boy incompatitio with the graded eshoul. First, he had a drift of his own, and the school was not in his line. Secondly, the teachers unerly fatied to understand the material they were dealing with in they midd not awrive from these cast-iron course enough to strike into the line of his genius.

The system gives no scope for such originality as this boy possessed. Bull as the boy appeared, he mastered and excelled in whatever he became interested in.

The best grade of child mature does not does lop symmetrically after the fashion of an apple or an orange. Men of high order of talent usually have argular heads, and they develop from whild-hood in angular ways, along certain lines. But you ever use the month of Heavy Clay, Calkoun, Chest, or Lancoln? If you want symmetry and coundness look for it in mediocrity.

We need to study child nature in the open air, where it has free play. When the first tirds of spring come, marbles are all the rage; when the birds have mated, bass-ball is in coder; when the birds begin to negrate south, then the kneed are flying. One thing at a time is the order. I wenture the assertion you never new the three games mentioned played by the same boys on the same day.

It is in the order of nature that but one great thing is ever done
at a time. In the creation each day had its work. In the order
of nature, childhood is set apart for growth and development, and
the growth of the body comes first and the intellect law. The
brain of a child is very sedt at first, and does not become fron till
about twenty.

The toys that are destined to make a high grade of men are rarely good scholars under exteen; they grow more than they learn books. We have loss eight of one important fact, that, up to about fourteen, it is development that the ciril requires, not a cornin amount of book knowledge.

The country boy, in overgloody is admitting, is superior to the city boy for business or for a liberal education, not because he knows more, for he really knows less about many things, but because he is tester developed, he approaches more nearly to the standard of perfect manhood. In sound mind in a sound body," In our craze to educate we over-tax the brain and neglect the body, and, in the end, endeedde both, and are all the while deteriorating the race, raining invalids, when we want strong, absorbinded, and all abotical men and women.

Our educators might take a lesson from horse-trainers, and in-

counce their stock of common source. The horsoman waits till his promising Hambletonian is fully half-grown before he enters on his educational course; then he begins walking him around gently for a short time, half an hour perhaps; after a little in begins to jog him gostly. later on he speeds him. How long does he speed him? Three minutes possibly five. He has two rules he never departs from first, he never worses the colt; and second, he never fatigues him. Two good rules for any teacher of children. The horsemen does not rest his cold by clanging the exercise first in a light vehicle and then a beavy one. In the school system we are considering they attempt to prevent fatigue by frequent change of exercise till the excitement begins to fag, then they are immedon to another. It is like bleeding a parient; we its up the arm and open the rwin; if the flow of blood slackers too soon we loosen. then the again and squeeze the arm, and so keep boostong and aquesting till we get enough.

The magnetism of the teacher, that they talk about, present the mind in one line of study, then lets up to take mother, and so on from morning till night of the school day. The graded system gives large classes; numbers add cuthusians and excitement. When you sink the school the teacher will ask you to see how intently interested they all use.

The system has in it a power of brain pressure that cannot be obtained in any other way. The school board and the parents demand that the pressing power shall be applied with full force, and the tracker who lowers the standard is dropped out at the end of the year.

More conscientions, serviced earnest, and self-monificing workers are not to be found in any calling than in the teachers of our public schools; we economic them from the saughter of the innocents; it is the factory system that kills. Let us go back to the family system or the mixed arheols, or neutraline the poison of this by devoting one-half of the time to physical training. Physical exercise in the anticlote for over-brain work.

The methods of teaching have constantly improved for the last twesty-five years. The introduction of object nearling and oral instruction was a new departure in education. With the new methods the amount of ground goes over his also increased, the formed for brain pressure is as mentable as the rev of the horseleech. Still there is a growing beling that there is some defect or something wrong. The demand is sirgent for a change. What shall it by? Surely we cannot enfor correctess to retrograde back to the old methods of teaching. What we want to accomplish is to retain what is good in the present method and to pruse out the ord. The problem is: What to do, and how to do it. First of all, overything that tends to over-work or unseconary excitement must be abundoned.

Excessive activity with anxiety is not good at all, and ought to have no place in the educational process. "Much study is a wearness to the flesh," so Solomon told to centuries ago.

STOREY.

Warry is fatal to good work, and to warry the growing brain of a child with work is to main and cripple its argumentian, doing irreparable, because structural, mischoof, the effects of which must be life-long.

Tension in work is not a proof of strongth, but of weakness. A well-developed and healthy-green brain works without tension of my kind. The intellectual man with a strong mind does his work emily. Tension is friction. The best brain-work is made vary with a calm spirit, so equable temper, and in a jurnity mood. Men and women of great longerity are uniformly remarkable for good dispositions and an even temper.

Legitimate and normal brain-exercise tends to healthy growth and to longwrity. The great majority of business men and clengymen who drop in the harness prematurely are broken down by worry, and by work. Men who pursus their termpation quietly and in peace of mind do not fail in the nervous system. They may take alchaess from other cames like other persons, but they do not break down in module life with organic disease of the brain. There are abundant facts to prove what I am saying.

Let us take this chic, then; banah from the achool room all worry and all causes of worry. This ball will knock down at once, two prominent pillars in the child's temple of learning, competition and musting

Do I hear some teachers say, I don't see how I could manage my school? Better discuss the school, then, or the teacher. Look in upon the school; you will find these two influences are the impiration to ambition, excitement, and worry, all through the grades from the primary up to the high school. The excitement opens by giving cards to the pupil that answers the most questions, or makes answers the most primptly. Deshaps the teacher soon not use the first hand raised; how can she, when a dozen come up logother? Then there is justiciply and constriousness.

I cannot conceive of a more unfavorable influence on the disposition and temper of children than the marking system as practiced in some schools. In the hands of a nervous teacher it is never fair or just in the minds of the children. A nervous barder is lable to vibrate between extreme lentercy and origint severity. In such hands it is a perpetual rasping of lender nerves that ought not to be thus treated.

The ery of injured innocence is very common in many a family, and always will be under the marking system. Another objection to it is that the system imposes a beavy burden on over-worked teachers to make up their everages. A teacher is one of our large cities informed see that it sometimes fook loss five hours purious to make his school papers, but she would not mind that if it were not so unifers.

The pride of the pureats and the ambition of the teachers demands an increase in acquirements both in quality and quantity. I am informed that the standard in our public schools is higher now than it ever was before. The evil is recognized and fully admitted all along the line, but I have thus far failed to learn of any effective remody to lessen it, except a few industrial schools which have proved a most decided suppose.

A great effort is now being made to simplify the studies and make everything attractive, to come as near play as possible. The exercises are made short, with the idea of securing rest; to secure easy government, and prevent play and muchief, a constant effort is made to keep the mind all the white secupoid.

PHYSIOLOGY OF REALNSHIPE.

Let us look at the physiology of brain work. We know very well that exercise of the muscles causes an increase of the blook, and consequently increased nutrition. Look at the blacksmith's arm while at work, the veins swell and stand out tile large cords, larger in the faiturer arm. By use that arm becomes much iargor than the other. Exercise in any particular organ increases its growth by supplying more blood to it.

Not long since I was in a primary school near the close of the exercises. I was asked to see how busy, how intently interested the children were. I had already noticed it; they were as intent on their work as a swarm of bees around the first spring flowers. I also noticed another thing; their faces were finalest with excisement, the years were distended with blood. There is the overpressure we hear so much about, there it is; it shows for itself; we need to look us further. The more you interest your children the more blood you throw into their delicate beains. The black smith over can throw use much blood into his urn, or he may contime the process too long. Then comes exhaustion instead of nutrition. The over-worked hone loses flesh, and by and by strength. Within certain limits, use increases size, strength, and capacity. Beyond that, it decreases weight, strength, and rapacity. The is a law of animal life. The child is but an animal and just as much more delicate than the some as his is higher in the scale of organization.

As children are now being trained, I do not heritate to repeat what I have often beard others say: that at fourteen years of age a boy who has lind no other schooling than what the old-time-district school gave, was in latter condition to take a liberal education than the graduates of our graded schools. Under the old system one-half of the year was devoted practically to animal life. Boside this, a great deal of exercise and animal life was sanitationed in night and morning in the form of chores.

We discard the idea of the animal, and run our schools as we run our factories: the largest amount of goods must be turned out in the shortest possible time and at the least possible expense.

The better the school the greater the danger to the pupil.

If my physiology is correct, the chaldren are much more likely to be injured in the hands of what you may call a model teacher than under the teaching of one who is dull and ininteresting. The methods of teaching have been constantly improving for the last twenty five years so far as imparting knowledge is concerned, but as regards development, constantly and steadily deteriorating. It is light time we should make a new departure.

In conclusion allow me to say that with children under 12 years of ago, one half of the time now devoted to study should be

consecrated to physical later ar training. During the cold months give us an ample play or work more to early school, and in warm weather pleasant granted out of doors. Then strength and vigor shall characterize the children of the coming generation.

To prove that work and setucation can go hard-in-hard I have only to refer you to the fact that we invo had one president who was a rail splitter, another who was a canal-boy, and we have the memory of our own Elden Burritt, who was famous the world overfor having been able to speak in sixteen languages and could read easily fifty languages; he could draw an audience in Exeter Hall, London, equal to John Bright. Most of his literary attainments were acquired while he was at work daily in mamma labor

REPORT

OF THE COMMITTEE ON MATTERS OF PROFESSIONAL INTEREST IN THE STATE.

"Matters of Protonienal Interest" is a subject capable of very varied application. What phase of life is not of interest to the enlightened practitioner of today! The customs of society, the principles of hygiese; methods of educating the young, the form and the kinds of labor, the purity or adulteration of foot; the management of the penal or elementary institutions of our commonwealth; the anticipation and prevention of epidemen, the best method of treating our ordinary or homelood discusse; the increase or subsidence of certain discusses or their change of form; the relative value of newly introduced surgical appliances or articles of materia medica; a general electric of the sharding or professory of the medical profession; State medicine, so called, or laws as applied in governing the practice of medicine; all these are matters of professional interest.

The question at once arises is such an ecolarpasement of richese. To what particular department of the greet profession shall your committee limit itself? In looking ever copies of the a Proceedings, for the past years, we find that while from 1875. A a study was made of typhical fever, in 1879 of diphthenia, and in 1881 of palmanary consumption, responses from the members of the society individually have been few, and that the bulk of matter has been interesting cases in practice. While there give interest and value to each number of the "Proceedings," we teel that the society should be known for its misted afforms. Recognizing that must of the work must in any event devolve upon the committee, and willing to assume it, we have to the best of our endeavor tried at the same time to sugage every physician in the State to work with us. Until our society is rejumenated, we fear that this will be impossible. Our report this year is dreided into two parts;

first, the remideration of some subjects on which we ask your thought, and it deemed weetby, your action, second, the review of the notineary you yourselves have given in in response to our solicitation.

THE VALL WESTILD TOLLBOX

In his address before the society at its last annual meeting, the President, Dr. Nye of Middletown, in advecating the clarms of the profession to the respect of the community, argued for Proceedings," page 31), " As tending to secure this respect, and as a duty we own the profession, that we should in all suitable ways advecate a higher standard of positivizary education on the part of medical matriculates." The action of the society by its vote following that address authorized the execution of papers canceling and annuling the articles of agreement between the President and Follows of the Connecticat Medical Society and the President and Fellows of Yale College ("Proceedings," page 149. The maintenance of a medical college within our borders, repectally of one connected with such an institution as the University at New Haven, with all the prestige which Yale has acquired with its centuries of existence and its wealth of wisdom in a thing for which we ought to congratulate ourselves. That the Medical School of Yale is making landable endeavor to mise the candard of medical education among us, is what the committee trub first to luring to your attention. They desire to excite your sympathy and to implore your help.

In this we are but following out the suggestion of Hon. F. J.

Kingoloury, who appeared in behalf of the Corporation at the last
meeting, and an outline of whose remarks is given on page 31 of
the last "Precedings." "He argud the members of the society
to acquaint themselves with what had been done to raise the
standard of education at the Medical School within the past three
years." In brief the purpose is threefold; first, to graduate, not
large classes, for "diploms mills" are an obloquy to one nation—
not to make descent, but to educate uses in the fundamental principles of medical science; recend, to satisfish a gymnatism whose
graduate students in late with the work may grand their jump in
triginal countries, and third, to found a normal school of medicine
where scholars may be fined properly for the poponoidae work of
teaching. Recognizing that the scents of the knowledge of

disease are not in the medical composition, nor in the medical dictionaries, but in minute analomy, physiology, and pathology, that its mysteries are revealed only by knife and microscope, and that object-teaching is the most efficient means of ampressing facts, as the sight is the king of all the senses, —they employ antonics, laboratory work and clinics as the methods of carrying out these ideas.

That we might inform correlives regarding the whool before attempting to tell others, we questioned a namine of the Faculty, one long identified with this society and desirous for its test interests.

He writes: - "About sixty actiques are made annually, in presence of the students, in a morgan furnalist expressly for convenient mode of metraction. The students are all gathered close around the body and emply the effects of discess. Small specimens of diseased tissues are taken to the Pathological Laboratory, where the students of the middle and south classes. continue the study of the cases with the microscope. Microscopes are furnished for the use of each student in the laboratory. The justices study normal times in the sures way. In the dismetingroom the students have all the unserial they wish to dissect. There is no lack in that department. The Chemical Laboratory is open the entire college year, nine months, where the students learn chemistry by actual work. The Professor of Obstytrics and Downess of Women has a stinic at the hospital once a week, and the students have a better chance to learn grocology, and actually see the cases than anywhere she that I know of. We are getting all the limitrations we want in that lines. The chairm shutrations in all departments are far greater than ever before in the history of the college. Though our entire number of wadants is small, on graduate as many as we did when our purplers were larger, and those who do graduate are all fine scholars. We do all we can to discourage uneducated men from studying medicine. We don't want any except each as are scholars and are determined to study. Those are honest facts. The professors are recking for almost nothing. It takes all our means and more than all to pay the expense of our practical laboratory system of instruction. We need more money to pay expenses, if the profusion did not receive m Cetri.

Such a position taken by any motical school, especially by one whose instructors are our own members, should be mot with conful support on our part. The Macelonian cry cones to sterry one of us, to those who have accumulated wealth, whether by accelerator design, the sail is for money; to all of us who have extrev our own some to tread our paths or others some to guide, the daty is so turn them towards the center of learning.

As an inventive to the student to enter the Vale Medical School we suggest that all bospitals, arytimia, in teasts, or other instrutions of this State requiring resident physicians, stall in their contempte the preference to graduates of this school other things being equal. Of the members of the Connection Medical Society, 147 are graduates of the Yale school. But is this advance of standard the New Haven school stands almost above, while the country is being animally flooded with boolers. So ong is the strife between different schools is which shall graduate the largest number, — so long is the same of the brackers is dependent mean and proportioned to the number of afterdards just so long will the requirements be admission to low the examinations are severe, only an occasional man reduced a diploma.

ADVANCED MEDICAL MEDICATION

The system of medical instruction as now pursued in most of our schools is a princof the gase and should give war to the more exacting demands of a laber day. The profession of medicine is made too champ by the grate system. We are opposed no-day by these periodicals, close-confenences, composeds, and dictionarise to learn the expense of medicine. Of voccess the smallerd to low, the purposes on all sides mercenary, and cheapane is not an element farrigable to scientific progress. To every city and state these graduates swarm like emigrants from the slop. What remedy a there? What nemely have we? There are those of which only one is available to the State. First, an endowment, public or private, for each college, which shall make salaries mean. This good betwee has come to some but only one medicul college has found a millionsire who loves it. Second, present to his the entrace of the salestrod into our medical adisols. Why expect the null to produce excellent floor of the highest grade, when no care is taken to select green that well formed such a product? He is best litted for practical work who is most throughly grounded in the principles and turn when underlie it, and no one should aspire to a piger secong the learned perfections, union he has employed all due deligence to postify his right and Librithersto. 40 fifty-eight milieges granting the degree of arts with 38,858 almost graduating since 1829, nine and two-tenths per cent, sindled medicine, twenty one per cent, theology; now tion and seven to the law, therefore only a small proportion of the graduates in sets study medicine, fewer than either law or theology. These are well authorities of facts on which we should seniously reflect. As President Power well will in this sity the other evening, "there is in those days a better understanding of the need than a young man who is to be anything should be developing his character in college. The general result is to make them nien, soller, cornest, despoing humbug, hating shams, controlling honorably with one another. A miliage that is good for anything must make the boys learn to work at once on the spot, and do these last at the time." We therefore plead for college education in metical men. But Connecticut has only one medical college, and a majority of its physicians are graduates from actuals of other states. The third remody is to regulate the practice of mediane by law within the State, and your committee recommend that an attempt to accomplish this be made before the next legislature. True, legislation can never be in advance of public equition. It follows: it a public opinion. A law that is opposed to public sentiment in a dead letter, or it to expunged. But we such have our own circle of influence, and in that circle we can uplosed and unintain the principles here amounced. A government whelly paternal is not toppiler with us although we advocate the emeries of probotion for every citizen in his struggle for 560 and success, so that he may not be interferred with by his neighbors. The tendency is no the below draw system. Every indistribud and every enterprise in left to pursue its own natural course on the jury of the gavenerent. This very policy gives the preferring a place in the mee for species. We get water meteral of solidity, glitter instead of intrinsic worth, paste for dismonds, quarkery, in labor mechanics, and all the indestrial arts, and what is sell super, scielism inscead of science, postence for most in those professors, which are stontled as high consideration on account of their closs connection with man's spiritual, we'nd, and physical stocks. The creation of a healthy public opinion in regard to the rights of the individual.

will appeal to the bosen pride of every man to so fit himself for his calling that he shall become a number in his profession. Some of our rinter states are already in obverse of us in this maller, having passed laws such as into been alleded to, and with lensilout woulds.

Alabama has one physician to every eight hundred and thirtiest inhabitants. A diploma from a medical college does not confer the right to practice. There is a State examining bound and also a bound in each county. The State board examination is quite right and there are note in consequence but few applicants before it. The holders of diplomas are examined by the county bounds, that of facty applicants in 1883 ax were rejected. These bounds issue a certificate of qualification to successful candidates. On presentation of this certificate to the county postone judge, the holder becomes registered as a licensed practitioner. Registration to \$1.00, no examination for There are suitable penaltics for practicing in solution of this law, which has been in force since Feb. 2, 1879, such the hearty conjunction of the profession of the State. It has proven as efficient bise to quarkery.

Arkaneas has one physician to every five hundred and soventy missionis. No one can begin practice in this State without a continue of qualification which is granted by the county board of three medical examiners in the county in which the applicant wishes to practice. Examination bec. six dollars. Having received a certificate, the applicant registers with the county clerk and because a legal practitions. Registration his one dollar and fifty ceats. The members of the county examining board of each county are appointed by the county judge. As a consequence trans of the boards are composed of the very men it was hoped. the law would exclude from practice. There is a State board composed of free appointed by the governor, to which a person rejected by the county board may appeal. But generally those fulling before a county heard, go to another county, and still another until they pass. The law has been in force since July, 1811. The probesion did not expect much from it, but hoped that it would be a basis upon which a better law would be built.

California.—One physician to every four bundred and sixtyserve inhabitants. A diploma or license from a legally chartered medical institution in good standing is required. There are three State examining boards, a regular, an eclectic, and a homeopathic, each appearated by the State sounty of its respective school. The duty of these boards is to examine the diploma or becase of applicants, and if forms legal and satisfactory, a contificate is granted. This certificate must be recorded in the office of the cterk of the county in which the hobber resides. Examination for, five dollars, when the diploma is found genuine and satisfactory, of fraudulent or not lawfully owned by the hobber, the board shall be entitled to collect twenty dollars. If we applicant is rejected, he cannot appear again before the board which rejected him or may other within one year. This law has been in force since 1874. It does not give settire actiolection, and some of the boards have been set give settire actionation, and some of the boards have

Connecticut — One physician to every five hundred and acquaryfive inhabitants. The medical tramp law, so called, is the only restriction. This law has been enforced in some of the called and has surfixed well. It has been a very effective for to temporal quarks. We recommend its enforcement throughout the State. This can be done by any of the effects of local medical societies, or by committees appointed for that purpose

Delaware — One physician to every six hindred and reventy. Eve inhabitants. The board of medical commuters is appointed by the State Medical Society and is composed of as many members as the society sees proper. It has power to great bosons to person boding a diploma from some medical college authorized to great diplomas, or to persons who shall upon full and imparted examination be found qualified for the practice of medicine. Registration with the county clerk is required. Penalty for non-registration, ton dollars. Law passed April, 1883.

Florida.—One physician to every seven hundred and twenty inhabitants. "Graduanse of medicine are allowed to practice. There are six medical examining boards located in as many different once. Their duty is to examine persons not graduates of medicine, who propose to practice within the State. To those board competent a certificate is issued, which certificate shall be recorded in the office of the clark of the circuit court of each county where the person receiving it may practice. Five deflars may be charged to be paid upon receipt of certificate of competency. The law was approved March, 1881, The general revenue law provides that lawyers, doctors dentists druggists, and photographers shall pay a license of ten deflare annually.

Georgia. — One physician to every seven liandred and seventy as inhabitants. The law recognizes only a diploma from an incorporated medical college, medical arkeol, or inferenty, and by regularities with the county cork. This law has been in forcesince Sept. 1841.

Illinois — One physician to every free hundred and eighty-two inhabitants. The law of this State requires a diploma from a modical college in "good standing," or that the applicant to examined by the State Board of Beatth. The eigeness execution of this law is the secret of its great success. The Beard of Beatth has the power to determine what colleges are in good standing, and the requirements of this beard have done much to make the standard of medical colleges in this country. Out of the hundred and thirty-six persons examined, board numbered and forty have been eigened.

howaOne physician to every five bundled and thirty-one inhabitants. Cilins have the power to regulate, licease, and tax impound distort physicians, and surgeons.

Louisium — Our physician to every nine hundred and more inhabitants. A diglorar from a regularly incorporated medical institution of respectable standing a required. The State Board of Health is to decide whether or not any medical institution is of respectable standing wishout regard to its system of therapeuties, and whether the same be regular, homeopathic, or exlectic. Begintention with the parish clerk is required. It is the duty of the State Board of Health to publish manually in the official journal of the State or in one of the duly resempapers published in the city of New Orleans, a list of all registered physicians and surgeons, and their phases of residence. This law went into effect January 1, 1883.

Michigan — One physician to every fire brindred and ustly inhabitants. A law which went into offect Sept. 7, 1843, requires a sightrus from any legally authorized multival college. An undergraduate can practice with and under the instruction of a legally-authorized practioner. Beginnings with the county clerk is required.

Minnesota — One physician to every sight bundred and difffour reliableads. A law went into effect Dec. 31, 1883, requiring a diploma or ticense from a legally chartered institution in good standing, or that the applicant pass a satisfactory examination before the board of examiners. Diploma are verified by the board of examiners. If the diploma is found to be gennine, a few of one dollar is charged; if frambulers, the found may reduct twenty dollars from the applicant. A certificate is recorded by the loand to each excessful applicant, which must be recorded by the county clerk. Examination by, five dollars. Students may presently under the supervision of processors.

Mississippi — One physician to every six hundred and eventy three ministrants. Diplomas are not recognized. A locard of censors composed of two unitary continuousness is formed in each soughteentral district, who examine into the qualifications of applicants for newsee to practice medicine. Examination for five dollars. Persons failing to pass may appeal to the secretary of the State Board of Health. This law tank effect February 28, 1882.

Ministeri — One physician to every four hundred and neventynix inhabitants. The law is strellar to fillness, and passed July 1883. A diploma or because from a legally-chartered medical institution in good standing of whatever school or system of medicine, or a successful examination telemethe State Board of Health, in required. Registration with the county clock is necessary.

New Hampshus — One physician to every time lendered and sixty-acres inhabitants. Keery medical matrix organized under the laws of the State is directed to clear a board of comous. These boards decide upon the genuinesses of diplomes presented and the merits of the institutions imping the como, and occurred applicants not holding diplomas. A license is insued to persons presenting a satisfactory diploma, or passing a satisfactory examination. Examination for the dellars. Verifying diplomas, one softer

New Jersey, — the physician in every seven hundred and musolableads. Every person practicing medicine or surgery in the State in any of their heaviles, for gain or wise shall become anxiet for its or her services say fee or reward, robust directly as advectly, shall be a graduate of some legally-character medical soflogs or enterestr in good standing, a some medical society having power, by law, to grant diplomas and some persons before entering upon said practice shall deposit a copy of his or fer diploma, with the shork of the county in which he or she may account or reside, and shall pay said clock but made for thing the same in his office, said copy to be a matter of record, and open toputite inspection. The State Medical Society is authorized to
great the degree of M.D. The candidate must be twenty-one
years of age of good meral character, have saidled medicine
under a regular practioner, and attended two courses of locarses
at some medical multistion in affinition with the American
Association. The communition must be in the presence of the
society at a regular meeting.

Ohro. - One physican to every five hundred and two inhalitants. The law requires that to practice medicine within the State. a person must have altended two fall commer of lectures and graduated at a school of meticine or revival a certificate of qualification from a State or County Medical Society. Sec. 6813. Wheerer while in a state of intoxication, remeribes or administers any poison, drug, or medicine to another, which endangers the lifeof such other person shall be fixed not exceeding one furnisal dollars, and impresented not more than twenty days. Sec. 1815. Whoever proscribes any drug or medicine to another the true nature and composition of which be does not, if required of truly make known, but avone the name a scoret medican or composition, and thereby undangers the life of such other person, shall be fined not exceeding one hundred dollars and imprisoned not more than twenty days. Sec. 6990. Whoever were upon methor an amesthetic, unless at its administration and during the whole tion. the person is wholly or partly under the direct infrance of it. there is present a third person competent to be a witness, shall be fired not more than (wenty-five nor less than five dollars.

Pennsylvania. — One physician to every six hundred and eight inhabitants. A law was passed at the last session of the logic lature, which is to take offeet on the first day of Sept. 1884. It treates a corporation called the State Board of Medical Examiners and Licensers of the Commonwealth of Penn. "There shall be appointed by the governor a State Board of Medical Examiners and Licensers contenting of nine members three of whom that serve for one poor, three for two years three far three years (terms to be decided by lin). They shall be graduates of some legally chartered college or university having the power to confer medical degrees, who shall have practiced medicine or surgery lice a penul of not less thus five years, but none of whom shall be members of the family of any such college or university. Provided that in

the appointment of and brand seven members shall be chosen from a list of twenty-one names automated by the Modical Society of the State of Perm., and two members shall be closen from a list of six manute submitted by the Bonsoquathic Modical Society of the State of Perm. In default of the entenseson of each lists, by either of and societies, the governor shall appears. A copy of this excellent law has been must to the communities by Dr. John B. Roberts of Philadelphia, who was largely instrumental in its adoption. We suggest that its termin with proper modifications by personnel in our form to our anxi legislature.

South Carolina —One physician to every one thousand and signly four mhalitanas. A diploma is required, and if it has been round by an medianton outside of the State, it must be endersed by the faculty of a college within the State, or the Modical Board of the State which is composed of the members of the county boards of health, each local board taving jurisdiction within its county. Registration is required. This law has losen in force since December, 1881.

Vermont.—One physician to every five hindred and four inhabitants. See, 2003. Medical metrics preparated under a charter from the preeral assembly shall at each annual territor, elect a board of consess consisting of three numbers, who shall hidd their office cutil others are elected, which board may examine and thouse practitioners of medicine surgery, and assimilarly. Sec. 2010. A person rad a resistant of this Blate, who has not macroid a diploma from a chartered medical college, shall obtain a certificate from a board of sensors in this State, before to shall be permitted to practice the medical art in this State.

Virginia, — One physicism to every seven hindred and mustysia inhabitants. A law went into effect January 1, 1885, requiing in assumination before the State Board of Boalth, applying to increase beginning practice after that date.

Wise Virginia — One physician to every five hundred and ninety four inhabitants. The law has been in rescended operation mass Maten, 1882. Every graduate of a reputable needed college must present his equipments the State Board of Health, or or two memories thereof in his organisms district. If the diploma is grunine and satisfactory a coefficiate is introd which with the diploma shall estable the hadder to practice materials in that State. Non-graduates will receive such cortificate after passing a satisfactory examination. Examination Soc. \$10.

Wisconsin.—One physician to every eight hundred and fortynine inhabitants. Sec. 1436. No person practising physic to surpery or both shall have the right to collect in any action in any court fees or compensation for the performance of any medical or surgical service, or to testify in a performance of any medical or surgical service, or to testify in a performance of any medical or cian or surgeon in any case, unless he shall have received a diploma from some incorporated medical society or college, or shall be a member of the State or some medical society legally organized in this State. Medical societies are empowered to more implimation title of Doctor, M.D., etc.

For these details of the logal motivine of the several States, we are greatly indebted to the Mateur World of Philadelphia, whose solitor, Dr. C. F. Taylor, very kindly and at great inconvenience to time-tl, furnished them to your committee for this report.

Thus we see that twenty-two of the sisterfuced of States, besides some territories, have a public sentiment in advance of us. It is time that we look the step. In 1881, Dr. R. W. Griswold of Borky Hall, at that time a member of the legislature, introduced into the assembly a bill to regulate the practice of medicine within this State. The Medical Tramp Law, so called, passed that year, took the procedure. In 1881, Dr. Griswold again introduced Home Bill No. 283, entitled - As Art in relation to the Practice of Medicine." We recommend united action in an attempt to introduce within one limits a statute of similar purport.

THE ARRESTS FOR REALTH OFFICERS.

One further recommend we make under the head of State Medicine. Health officers are being appointed in all our cities and towns. To surredy any official is more power delegated than to him. His duties are of the nature of police, and to is empowered to enter at any time our house and places of business, to enforce compliance with his requirements. It is therefore of the greatest importance that men should be well shown, such as will command the respect of their constituents. There is no letter way of selecting south officers than by compositive exercisation. Chapter 254 of 1883 as amended by Chapters 157 and 410 of 1884, counts the Cool Service Statutes of the State of New York, appearing a

Board of Civil Service Commissioners to frame rules for the examination of all State officers. The courts have decided that local Boards of Health in that State come within the meaning of State officers, and therefore, all the coupleyees of such local boards are subject to the civil service rules. Your committee suggests the aloption by law of such an excellent system for Connecticut.

NEW DEMEDORS.

It was not until the early autumn, after the steeting of the State Modical Society, that the Committee on Matters of Profossional Interest could decide on the best method of enlisting the co-operation of the physicians of the State, or the subject on which they should exert their efform. A previous action of the society indicated it. In 1883 a special committee had been appointed to investigate new remelter ("Proceedings," p. 191) and so important was the matter deemed that at the same time the plan was expressed of making that committee a permanent row. At the meeting following, 1884, no report was rendered. Your committee, feeling that this expression of the society invited them into the same field, decided to take up the work of the Committee on New Remedies. Feeling that the designation of the medicuses was a matter of some consequence, we sought the advice of Dr. T. H. Russell, Professor of Materia Medica in the Yale Medical School, as the most proper person to whom to apply. Prof. Russell at once approved the plan and mentioned five drugs, from which we selected the three named in the circular of September 22d last. The committee met with Dr. Granniss in Old Saylesok; the puretions were formulated, and definite plans made. Becognizing that the remedies were comparatively new and could not possibly be had excepting in our large cities, circulars were sum to all the leading pharmacets of the country and to some of the medical porrials. This was simply to acquaint them with our purpose, and not the singletest partiality was intended or shown. Disposition on the part of a few manufacturers. Was manifested to resider the aid without which we could accomplish little. One firm howeres, with a seed which we deem commendable entered into the plan, and at a large only generously furnished to as many physicians as were willing to receive them, samples of Castara Sagrada, of Convallaria Majalia, of Piscidia Erethrina, made of the strongth and in the manner perscribed by the United States Pharmaropeaa. The (Xeabs) were to be and were in the form remenmended by Prof. John V. Shoemaker of Philadelphia, a recognized authority on that particular subject Of these circulars of amourcement, your committee mut out in September last, about five hundred. On the 18th of April of the present year, as ladbeen determined, about four hundred and seventy printed postal cards, calling for your replies, were insued. A few members only, responded, so that ugain, in May, it was feemed advisable to urge the dilatory case, and four hundred more cards were seat. Writing nearly fearness hundred addresses, with about one hundred private letters, itself no small task, a only a part of the manual work of your committee. About seventy replies were purceed. These are of all kinds, from the simple amounterment that the circular has been mishald to the elaborate and antistactory report. The committee planned to have those reports such directly to themselves, having to the several county reporters the work of gathering interesting cases in practice histories of prevailing local opstences and such other facts at they had here across turned to collect.

But the starting fact is patent that there is great apathy and indifference to collective work among the members of the Crimes, then Medical Society. Your Committee have done all that by in its power and cannot take any home. To present the details of your replies as a tatalisted term is a by no means easy task. Some are of experience with but a few potents; one physician embodies two hundred in fins. It is impossible to tell how many cases the replies represent or with what care the observations were made we give the replies importably.

Conventions Majazos (Laly of the Valley,)

The greatest number of replace to any one question on this drug is fitty.

Answers to question So 1. Preparations used, have been divided between the preparation and the under. Some have scaled simply Brid extract, which is too indefinite, as both root and forecast are used. Of preparations, twenty-two name simply fleid extract, notes finit extract of the flowers one pills. Of numificulties extrem were from Parke, Davis & Co., these from Mesons Schiefbilin; from Mesons Turnet, Wyoth, Threes, and Barroughs, one early Question No. 2. The next frequently mentioned does is git v. a. b. i. d.; the maximum git xv.=f3= t. i. d. up to git. xv. every two hours.

- Do you find any cumulative effect in digitalis? No, twentystro, yes, mise; not very marked, one.
- 4. Do you find any cumulative effect in convailance? No, thirty.
- 5. State comparative effects of convaliaria and ligitalis. Convaliaria dose not disturb the storach as digitalis data and souther the heart better. Digitalis, after a true produces vomiting, core brail and partite disturbance while convalians works spoundity with some of those symptoms. Convalians as a milder remedy and can be used where digitalis is madmissible. Convaliants produces a more eight police. It acts more on the entire arterial circulation than on the beast as a center. Several say convaliants produces no distratic effects one thinks it a more efficient direction. A number find the action of the two smalar, and one declares there is no comparison between them again x. Pl. Ext. Convaliants with gri, x. Time Caeti, acted as a distrate where digitalis had tailed.
- 6. Purposes for which contailines was given 7. All forms of mardia affections; (a) valvalue disease as mosfficiency of mitral and sortic, with grand results, giving tone and regularity. (b.) Organic diseases as hypertrophy, dilutation and fatty degeneration. In hypertrophy it equalized the frees and distinuated the frequency of the beat. In fatty degeneration (one case) it worked badly, causing distinues are pulpitation, and distinues of vision: (c.) Sympathetic distinueses as pulpitation, weakened heart from hemorrhage or the k. canting avakages with incommitten pulse irregular action due to assemb, nervous synthétic yet heart's action, nervous passembles, orders of the large. As a tonic to strengthen the beast's action in deltinity is reduced the pulse from 100 to 76.
- Does it disturb the element? No. seventeen yes three; emerimen, three, same as digitalis, one
- 8 Some constantes arrived at from different observations are it a much more uniform in the results than digitalts, and I like it very much; it is less corrain then digitalts, digitalts is more reliable; a grand remedy; prefer digitalts, name unpleasant to take these digitalts of value in certain conditions, as exally cordin desputation, it amortium worked where digitalts dot not; have been well.

pleaned with its action in eardisc disease when digitalis was inoffectual; a valuable medicine; has value but not so reliable as digitalis; not so reliable as digitalis, but can be pushed further; may prove a good remody, but will not sent all cases; more reliable than digitalis as a torne, fully as efficient as a digretic, less liable to naments, more uniform in results; fluid extract of flowers, a most reliable remody to control the learn's action; a tonic on the fibres of the heart; has a limited sphere of action; digitalis in large doses preferable; inferior to cactus in stoadying the heart; a worthless remedy; pleased with it when digitalis has proved inoffectual

It would be difficult to dispute digitals in the estimation of the physicians of the world. But it does not most the requirementa in every case. One thing we wanted to determine in the light of the present day has it may constitute effect as has terretoror been attributed to it? The testimoly is decidedly no, and from physicians who have used it in large does. Convaliaria many times does what digitalis will not. It is a valuable remedy. These who have given larger does at larger intervals have find better results than they who have used the small does frequently repeated. No modicine can have had a thorough trial in the time allotted to this, and we suggest that its merits be myostigated further.

Pozma Eavnma. (Jamasca Bogwood.)

It might be deemed a work of supercrogation to attempt to find a substitute for opinm. But many patients cannot take that sundyne. In some it produces makefulness, in many intenso names and headache, in others an intolerable pruritis, in all constipation. What resource have we then? It was with hopes of finding something which could be substituted where opinm shes not agree, that the committee selected Pictobia for investigation. Foreer answers have been received than for either of the other drugs, thirty-two being the largest another of answers to any question.

Question No. 1. The preparation used was the Finid Extract, of Perke, Davis & Co., excepting that two came from Moses. Schrefffelin, one each from Messes Tarrest and Wyeth, and one was in pell form.

Question No. 2. The stone have varied as follows: gtt. xv. overy bour until relieved, gtt. xx-xxx. overy two hours, f.3m., f.3j.

bourly for three hours, I 5j every | bour until six does have been given, and single does of one or two drachus.

- I. Is it a hypnotic ? No, seven, yes, thirteen
- 4. In doese from f 318-4 311.
- 5. In it an anodyne? No, five; you five: to a certain extent, four; uncertain, two.
- Doses git av. every hour, flam every two hours for five doses, or single doses of flat, or flats.
- Most of the physicians are not ready to name the quantity which may be considered dangerous; others have stated f Jan. (Nij., J Jin. f Jiv.
- 8 Can it is substituted in any way for opinin? No series, yet, eight, yes, when opinin cunnot be taken, three. Other answers are yes, in Bronchitis, yes, in temporaful doses two at three times a day; good substitute as an anolysic especially in seringlia; in nervous cases possibly; in simple insomin of worry or nervousness; not a substitute, but secondary.
- Is it effective as a cure for the opinm habit? Sex say no, sixteen have had no experience and cannot say; one says no medtration is, to much extent.
 - 10. Has it my astringent properties? No, fourteen; yes two-
- Has it any unpleasant after effects? No seventeen; sometimes, four, produces misses when given in doses of f.3rj every two hours.
- 12. Some conclusions arrived at from different observations. Two say entirely worthless; is a hypastic, if pushed, of value where there is an individual idiosyneracy against option, especially valuable in children and cases where ceiam and morphia causes be given; insatisfactory rocalt; an inclined to give it a permanent place in my case, uneatisfactory; a valuable addition to our drugs; good assertance for opeum when there is loss of sleep, nervous restlessess, etc.; regard it as an improvement on optum; does not amount to much; good as a placebo, very exteractory in the brencht. tis of children and adults gave success in internata where all other remedies had failed; a powerful drug had its field of medalness is limited; its action is smiler to opinio has it is not applicahis to so many murbed conditions, and will not as certainly retieve pain. Openn is much more liable to produce headache, minen, syncope, and other disagnosable symptoms than pisculia. Pisculia dianes the pupils. In some respects it affects the combine

spinal system after the manner of belladonna. It promotes seems tion from the skin and miscoss membranes, while belladonna produces drynnes and fiching or lingling of these insense.

Parrim Erytheim is the bast known of all the recordes tried. There is no literature regarding it. It is at the start supposed to process dangerous properties and it has generally been used in too until does. It is seen that two discloses base been repeatedly given without but results, but it should be watched. We would like to use further total mode. If there is mysling which can seen partially do some with oppose, but after effects and includer of country opinion until, its discreasy will be a great been so human kind.

Camana Sornana.-(California Buckthurn.)

Cantara has been used for sour or live years by some of the physicians and a more fancian to the general practitioner. The testimony is quite general, some of it covering the period mentioned. Porty seven imployed the fined extract, twenty-two-the-sourchial seven the noise extract. Most of them were preparations of Parke, Davis & Co., but three were from Mesons. Schoolfelm, those from Wyother two from McKemon and Robbins, one such from Moster Thayer, Parents and Carwoll, Hameel & Co.

- Done of the build extenct, git xx-xx. t. i. d. of the certial f(3) night and morning to Am morning and evening; of the elining f(3) t. i. d.; of the colid extract gr. ii. at night.
 - 1 Is it an aperient? Yes, bety one; one of the test ones.
- a In does of the find extract gen xx-lijes at last time [3]; of the cordial continued, or figured the same, and of the extract from gr it—v.
 - 5 Is it a cathactic? You thirty-mx.
 - 6. Dones of the fluid extract files or as much as filli-
- Is it a cholagogue? The answers are usually all of doubtful expression, a majority doe's know, a low-ray no, about the manaumber you.
- 8. Is in action purcoularly again the lower bowel? Ninctorn give some form of allimentive answer; ten are no or are undersided,
- 9. It is effect similarlied by comman use? No, twenty-four: yes, thorons.
- 16. To what extent can it by robod upon as a cure for habitual consupation? Not officiant, four not permanent, three, has cured

some: valuable, four; valuable if combined with proper dist and regular haless of defection; to a large extent, were effectful. satisfactory; not reliable; very effectful, never knew of a case being exact; only as a help; orde in cases of no long standing, have nover known liabitual commitmetion to be outed by drugs alone; its aperient action is superior to mything we have; regard it favorably; does not give satisfactory results in eletimate cases; one of the best remember; only a pullistive unless used with other means; have seen many cases of long standing complexely cured. while in others it has failed to princy; one of the best remedies we have in habitual constipation; not reliable, but will cure in cortun cases; encounted combined with hygiesic measures; the best remedy I have used, do not think it a specific but a very useful adjunct; in some rates it has worked like a charm where potting else availed; enough so to justify the kope that in many cases a may afford a listing and satisfactory much; of value but not infulfille; about equal to preparations of seum; the most efficient remedy I have ever used for the purpose; a useful tonic laxuive; I think it is our liest means of overcoming the constitution which depends upon intential indigention; is more or less associated with imotion of the liver; as good as anything.

11. Does it interfere with digestion? No, thirty-serven; yes, two; it helps digestion, two; doubtful one. Not often unless the peraliar bitterness of the attract is nauscous. Combined with one of the male extracts, the linest objectionable mode of administration, it postifiely nick the digestive processes which take place within the disoderson. "I think that cascara has permanent effectory in conscipation by promoting the hillary secretion, and by imparting take to the minimistrator the continuous to the minimistrator the continuous interferent tract."

 Does if eache griping or impleataments at stool? No, twenty-two; in about one third my mace; yes, five; if given in too large does six.

13. Conclusions arrived at from different observations. The cordial is an ecceptable larative. The fluid extract is not different from serina, except that it is more disagreeable to the taste. A good exthartic for occasional, not constant use assurably a goodle but officion larative for buildinal use. The coolful is good for children and a mild bacetice. Have cured labelinal consequences where other drugs have failed. A valuable remedy in constipation. One of the best remedian known for habitual constipation.

and that following child hirth. The best drug we have as an assistant in the cure of constitution. The cordial is a pleasure form of administering a mild lexistive to children and admin. A valuable adjunct for constitution, especially in the aged. As efficient as any other remody. Have used it with gratifying results in the constitution of old people. A pleasant, mild laxative, filling a long box want. Its special use is indicated in hepatic conditions. Very unplement and nameous. It relieves habitual constitution and is an excellent means of breaking off the habit of using compound catharric pills and other ills of like pature. One of the most valuable "new remedica" introduced for many years. I have not any report of exil from it at any time. The contial is agreeable and effective for children. Am using it in proference to harsher drugs, As a laxative there is no drug more agreeable in action. As an aid to the cure of habitant constitution it is invaluable. Have found it extrace marry model in entirely proventing the impleasant after-effects of morphia. Exects any remedy I have used in chronic contipation. A valuable addition to our materia modies. Its use in the solid form is preferable. A sale sperious and it can be continued without injury. A good operiont; convenient when pills cannot be taken. Empties the whole bowels without trouble. In baseital practice patients request it, because of its effectiveness. It requires a large quantity, and costs too much. Fifty per cent. of cases have been cured in from three to six times treatment. A very efficient toric laxative which does not need to be messated in quarry. A valuable ablition to the list. I have need it in himdreds of cases and always with gratifying results, with an excoption of about one case in twenty or thirty in which it has not been referenced by peason of gentric irritation or griping 16 the towels. In certain cases it will do its work to perfection, in others is is apparently itself. Am not prepared to prefer it to some drugs. already at our command. An pleased with it, although like most ecceptotics it needs to be repeated. I have formed a very favoraable comion of it as a laxative in the constitution of agest and forble persons. Not very pleasant to take. The fluid extract is toodisagreeable to be telerated by many of my patients.

REMARKS.—The past winter I have used in sundry cases of subscane broad-has characterized by dry persistent cough, tarpid congested liver, constipation, deficient secretion from liver, etc. FI Ext. Calcars in Film discussory four horre for a day or two, combined with experiorants, relicivel the symptoms promptly and reflectually, producing free bilions stools without griping or stricttion. Combined with max vossies, one to three of occars it is the best intestinal tonic I have found. I generally give

> R Ext Cas F1 /3 m " Hyper F1 m.ii: Sympl f3 m, of smidmi.

At bod-time, repeated in the morning if necessary.

A close analysis of the replies reveals the different encoptibility of different persons to the same medication and may explain encross or wast of it in those cases. Yet most of the opinions are so strongly favorable so few are the centrary, the period of observation in for so long a time that we think Cassars Sagrada desarros a place at the U.S. Pharmacopula. In so form does it cause an untoward symptom as do some of our much-mod cathactics, and in some combinations it may be found to help digestion.

Dr. Russell, Professor of Materia Medical in the Yale Medical School, his made a series of investigations into the effects of these remedies so theoretic and careful as to be nothing him than accountific, and we are glad to embody his report in our own

Convenients Marsans.-I have used the finit extract made by Parke, Davis & Co., and by Henry Thayer & Co., and have found them perfectly reliable prompt, and uniform in their action. I have med the finish extract in does of from twelve to twenty drops, repeated every six or eight hours, but think it quite safe to use larger-doses in suitable cases. Have never noticed any comulative effects from either digitalis or contallarts, and never expect to indice any, he I have used both agents continuously for at least five or six months outliest, omitting a single dom, and me such effect has been noticeable. I led convinced that if the interval between the dose is sufficiently long to permit of the effect of one ikus disappearing by the time the next dose is administered, there can be no so-called "minulative effect" noticed. If we repeat the does of any remedica ton frequently, the affects will necessarily he camulative, but it is only a necessary round of giving a second does while some effects of the first does still remained to be added to that of the second. It is movely the month of too large or too frequently repeated doors. Digitals is thus not any more likely to be followed by cumulative effects than a acousts or regatrom

wiride or other powerful drugs. Digram and centraliaria are so nearly identical in their action that they can both be relied upon to fulfill the same indications. I am beginning to feel the same confidence in convallaria that I have in digitalis. I have used convallaria in the same class of cases of heart disease, both fone mount and organic, as indicate the employment of digitalis in both adults and children. The results have been satisfactory. The finite extracts which I need seem evidently so well freed from the ratio that they in no way desturbed either the element or bowds. I feel convinced that convallaria is a remedial agent of great rains, and should occupy a permission and perconnect position alongsale of digitalis in our Materia Medica.

POSTODA EDVERNINA

The preparation used was the fluid extract. In order to make a fair test I used one sample obtained from an agent of Henry Thaver & Co., mother sample from an agent of Parke, Davis & Co., and one other sample from a drug store in New Haven, but manufactured by Parke, Davis & Co. I have used it in single doses of fixi, fixi), fixin, and fixi, and incloses of fixi, repeated every hour and one half or two hours until three or four doses had been taken. These doses are as large as any I have seen recommended by those who advocate the use of piscidis. In order to avoid error I have never while using it peneribed any other remedy is combination with it. Have only given it to adults-not to children. Have tested the three above-mentioned samples in about twenty-five or thirty cases. The three samples-fid not appear to differ in any propect as to results produced. I cannot feel convinced that these samples possessed any power as hypnettes. In only four or five of the came in which it was given itsl it appear to have any power in a hypnidic, and these cases were all suffering from pain before taking the pinvidia and the light transmit deep which followed may have been simply a result of the slight tearporary total from pain produced by the drug-

As a hypostic I have found it unscorting of confidence. In the impority of cases in which it was used the patients were surgical, and some sufficing from medicabily severe pain from a variety of cases, each as fractures, carriers teeth, advanced hip disease, abscisses, etc. In most of these cases they reported that (3) or 13 co. repeated in two fours covered to allow very elight but amount

factory and brief relief from pain. Note of those were disposed to say much in favor of the remedy and none asked to try it again. In a few cases the patients were quite time that so relief Whatever was afforded.

In one case a very intelligent young woman had suffered from a molecularly severe tooth sche, which had been very uniform in severity for twenty-four bours below taking £3.0, of finid extract of plecible. She was otherwise to perfect leadth and had taken so medicine previously. She reported that the pixelia did not produce the eligibiest variation in the amount of pain during three and comball hours following its minimistration, and that finally after three and a half hours she was rempelled to take a dow of morphia, which I gave to her:

As an anodyne, therefore, it is unsatisfactory—at least in the does above mentioned. Have found it perfectly iteraties in does of (3i), in adult patients. Have not given it in larger does. Have never tried it as a sum for the optim habit. It does not constipate the towels, but on the contrary has in a few instances appeared to have a barely perceptible invative action.

In order to test the matter mare faily I tried its effects on an advanced medical student in good health who took up quarters in my tops for the purpose. After carefully removing all sources of orner as completely as possible I gave him \$3) 4 of Parke, Davis & Co 's fluid extract and watched the condition of los pupils mouth (as to increase or decrease of saliva), skin, polic, temperature, and restitation every lifteen mantes for two hours, and being then called away he accord symptoms closely for two hours longer. Alsolenely no office; was noted from the drug except that his pulse fell from seventy-two in sixty-right one loor after taking the drug. His mind remained as clear as most, and there was not the slightout trace of droweiness. About twelve hours later he took a second dose of \$35 and five and one-half hours afterwards a third dose of f35 No further symptoms were noticed encept that he howels which were previously perfectly regular became alightly relaxed. after the second dome

A physician, not a member of the society, could not after careful observation perceive the niightest aftert in any respect from £313, of Parks, Daris & Po's flust extract of piscidia, taken by himself at my suggestion.

At my request six heathly medical students who had student

medicine two years experimented upon themselves with single doses varying from [3] to [31] taken just after their nemi ery o'check empper. They were instructed to carefully note the condition of pulse, respirative, pupils, skin, mouth, and bowels, especially whether it had not hypothe effect or any constrain action between eligid. Both Parks, Davis & Co's and Thurse's proparations were used. They all took great between in the matter, but all reported the samples furnished to be frost and without effect, excepting that in two same the bowels were slightly bosened, and one man reported slight heart-burn and nauses, and very slight salivation: With these exceptions I have not noticed any emploasant symptoms. They all failed to persone any appreciable production of drownness during the four or five hours between the slow and bodtime, nor that they skept lighter than neral waring the night. The linig appears to be a feeble, unreliable anodysis, but as a hypnetic it has in my hands proved a fatiure. Possibly in imper-doses than £3ij it might dobotter. Having previously scen some reports favorable to the drugas an anodyne I communical the administration of pandia, hoping to find in it a describit substitute for opinin but have been map. minted.

CARCARA SARRADA.

I used samples of the fluid extract. Furnished direct from Parks, Davis & Co., and another sample of Parko, Davis & Co.'s parchased at a drug element this city. Also used samples furnished by Henry Theyer & Co. Have need those finid extracts in doors of ten tetowary five drops every eix or eight bours as a laxative, and in sixgle does of from m. xir. to fillies as a purpative. Here found the different samples above mortioned equally efficient and perfectly uniform and reliable, as shown by the results produced. It is a very valuable genile lexative in dome of from fifteen to pwenty free drops three times daily, and in those dones produces no unpleasant officers of may kind whatever. It is a prompt and very reliable cathactic in doses of from un sly to fixing generally setting efficiently in six or eight hours. Unless the patient is rather observatoly constituted a flow of fail or failes is pretty certain to preduce from two to Jent toft, reposit, rather a mustic stools, attended with slight transfert gripuse. If the dose produces from or firm stook the fact two are moderately soft, and the last two or three very suff, but not quite find and just perceptible tectal tenesimaaccompanies the last one or tire stock. In several such cases the last one or two stocks were covered with a small account of miscons. It is not avelong ugue in any of the doses above mentioned.

In order to get an accomite alea as to the character of the sloots produced by it. I asked eight of the alvanced medical students to notice carefully the consistence, color, frequency, and other characteristics of their shoes as accurately as possible for three days, and, continuing their enstonant dec without variation to soborquestly notice the results of a single doss of the daug. Each was to take a single dose at builtime. I arranged the doses so that I should get reports concerning \$35 \$355. \$3500 and \$354 doses. Among these right bolisticals were some who were habitually constigated, others whose bowels were portionally regular, and others whose bowels were habitmily slightly loose. One had been passing hard, very light, almost white, dry stools-one had been passing very dark, rather green, moderately soft stools. The stools of all the others were previously brown. The results of a single such dose at bedding in each rase was that within twelve hours it changed the black stock to a yellowish brown color, the white risy stock to a dark brown, and the stoots of all the others to a yellowish brown color. At the same time it produced the purgette action before mentioned. In my own case a single flow of 131 would change my rellowish brown stools to letton yellow color. Thus a single dose of \$31-43is, caused the stools to become more reliew within twelve hours in all the cases noted. I do not think that its effects are diminished by constant use. I believe that in desce of from fifteen to thirty drops, given these times daily, it is an admirable remody for habitual constigution. Much better effects are to be obtained from such does than from fig. or figi, discs given less frequently. In some of the does above mentioned have I found it to rause the slightest unpleasant symptoms, excepting that f3 iss. to figure, down produced enginie too free ratherers with slight transient netal tenesion. The stools produced by moderate-doses. of it are to copious coft, and univertating that it must be well saited. to cases affirted by positipation with hemorrhoids, figures of the upon etc. It is a remedy of great value, and should occupy a pereminent position in our Materia Medica.

THOMAS H. RESSELL

THE CLEATER

have not been generally tried but promises have been made to use them as appareanity affered. In the light of experience portupe the three drags already reported were sufficient for study in one time. Your committee fints the subject of the strates but unperherly understood. We based our investigation of them on the enthurity of Dr. Shoemaker in his monograph referred to in our circular of impriry. We cannot more than refer to it, yet an decre to call alterable to some facts there found as covering our requirements for the preparation of those medicaments. "Obnites must not be considered mensty as solutions of exists in steic and. as proviously described; for, according to our present views of chemical philosophy, they were nothing else as benefedors manufactured, but rather as definite chemical compounds or salts having no excess of either their acid or basic radicals. To speak of a fire or tou per cent, eleate is quite as absurd as to do so of a five per cent. sulphace of quartes, morphia, or stropia, which we know to be comcounds of a definite character." Yet we did in all the drug stores rows of bottles of obstes of new or twenty per cent, so called These are the old cleanes which are ossekonical solutions with olde unid and not in chemical union. Obustee use card-ould be obsuried. concurred or salts of chic acid, just as sulphates and planghates are sales of their respective reids. The inclinates or combining weight of objected is high while the atomic weights of the metals are lower. Consequently the percentage of olete acid in a normal ofrate is much greater than that of the sustailic base. "the penetrating action of perroleum products into the skin is so for the ax to almost cause them to be excluded to such."

Dr. Hormann Hager, an aminent authority, in his work on pharmacentical practice similarly says. The use of unestine (cosmoline) is place of land or an centrarent in each mixtures which contain a remedial agent, intended for absorption by the skin, is remit to be incoveraged, as raiseline (cosmoline) prevents the absorption thereof. Your consistince believe that must of those who carefully tried the obstant made use of such as fulfilled the conditions aparities. Into we wish to must upon the difference between the time cleaker and the mechanical mixtures, with reference to their use in the Interes.

OLEGER OF MERCHAY

has been used in the strength of ten parts in 100, gr. an 25 twenty and fifty parts in 100 and the part cluste.

2. It is more readily absorbed than Unit, Hydrary, without our

Histeriting Visio.

- Constitutional affects are more roundy obtained than by Ung. Hydrang, only one saying on.
- 4. The betimeny is universal that it does not so readily soil the clothing and is consequently much nester.
- A few my it will mritate the skin in some cases, or if long used.
- # Case of syphilis have been one primary, six econdary, two testiary.
 - 7. Nine enter of enlarged torside.
 - 8. Faurteen indurations.
 - 9. Twenty cames of paranites.
- 40. Four of discolaration of the skin. Other forms of skin diseases is which it has been used are particular records, specie.
 - 11. Result and general conclusions. In eccentracquitis and uniterralle if caused rapid improvement. Has given good results in
 prarrites and. In enlarged besticle softening occurred after three
 applications. Tight Indian and compression having previously
 failed. Effectual in destroying parasities, equally effections with
 ting Hydrarg, much cleaser and more agreeable to the patient.
 Its results is connective times growths have been nearly negative.
 In grandalise enlargements it has given very good results. Syphilitie nodes have rapidly disappeared in majunction with the Idchloride. Have treated picuritie effusions with it with very good
 effect.

OLDAND OF ZINC BY PATTERN

has given good results in overling to which experience proves it to be its remarky in ergitients, in ergons. In settertion and intertrigo of infants its results have been most gratifying. The following are some of the remarks regarding as use. Used in some forms of proving, but with very indifferent coulds. Destroi even recome I like it very much. An attributed dressing for open surfaces. A convenient and affective application. Have used it at least a hundred times in present of the typelids, may bend inflammation of the skin, the supportative and attained stages of externs, arms small catarrie with everyon at with good offset. Its me has given about initiotrally good results.

OTESTS OF COPPER IN DISTRESS.

By an oversight the typographical errors of these formerles were not corrected. They should have read Cupri count 3.5, 345.

Vasidia. 3in, 3vill.

This perparation has proved to be almost a specific bromes where used but in greater strength than the above, one reply being. Much prefer formula,

3) Caprident5j.

M. Vaselin. 31). S. Apply night and meeting. The most statings and long standing correction by cured to a very few days.

DERATE OF ASSESSE.

The extremely limited festimony is to the effect that it will destroy an ufcerning surface, and warts on a tender surface, as the face, when the hard exterior has been removed.

In general the cleans are a great supersement on the old form of continuest. "The use of the cleans while an interns of the N, Y, Skin and Cancer Hospital ranght see to regard these in the abstract, valuable additions to the treatment of discuss of the skin." "Believe the deater reliable and desirable forms for administering the medicinal agents. Have observed their antiseptic action and freedom from rancidity, think we shall find them a very valuable remedy."

To the relinary practitioner the time for investigating the nemedies has been too short. This is pre-immently true of the three has obside, but it was as long as the committee could give. In such a pursuit, of course, old remedies carnot be disregarded nor treatment of putients made venturescene. Cases must therefore be altered which means much time or a large change. An esterned ex-president of this noticity has and "To know whether a new remain was really valuable at think he in use for one hintered years," and what we may be now to add to our planual copies, we ought to be containing watchful to stop off or to add, alcotting each time the best of that which nature or art offers. We recommend that our successors on the committee continue a part of the same study diving the coming year. All of which a respectfully interested.

> N. E. WORDIN, M.D., Communicate Africas J. H. GRANNIS, M.D., of Professional Justices K. A. Hilble, M.D., on the State

HARTFORD COUNTY.

INVESTIGATION OF CONVALLARIA WAJALIS, ITS PHYSIO-LOGICAL ACTION AND THERAPPUTED USES.

REPORT OF SECTION LEWIST, M.D., POLYMERLY OF TARRETTHES.

PREPARATION USES: Fluid Extract of the root (Prepared by Parks, Duris & Co., Detroit, and Shloffolio & Co., New York).

In empty to the question as to whether I have ever uset a case of cumulative effect is digitalis, I have to state that I have not. I have given it in quite large doses for works in hydrothours and orderns of the large, due to constanted indeep—third stage of firight's disease,—and no evidence whatever of consulative action was observed. I tried convalistion majoris in several cases of Bright's disease where there was valvetter interficiency, country hypertraphy and consequent modilar perturbation, and in every non-with coolinat result, but I regret to state that I failed to find any discretic effect windows—otherwise I would have considered it an ideal digitalis, for it far excels digitalis as a heart tenic.

In regard to the comparative effects at convaltaria and digitalis. Convaltaria is a powerful heart stimulant, unit tente, insenting its traquency and argumenting its focus, account rhythm, and actual presture. Digitalis increases the heart's force, but in a much test degree than convaltaria, and with subsequent enfectionment and exhaustion nearly the opposite effect to that sought—while is convaling there is no depression after giving up its me—it is more heart toric than attenuated.

Digitalis des setire directic properties, while I have always failed to obtain any appreciable directic affect in convalinies—this latter fact distribles its therapositic value very tanch, for it can, therefore, never take its (digitalis) place.

Contrallaria may be given in does of from two to twenty-five drops of the field extract of the root, gendually increasing from the smaller to the larger does. In over-does there is a feeling of numerication of the larger, of oppression about the heart, and tension within the head, so as to cause some nitres. Thirty sloops produced the above effects in my own case, which were soon milered by small does of nomine (the latter being a heart depressant), which I regard as an antidate in posterious dress of convaliance. The first extract of the fowers I have finited much has efficient than of the root.

I have not known convaling to produce names and conting in a single instance; on the contenty, it has always scened gestells to the streach — interest I consider it strengths. It also possesses antiquents offic properties. I here used it in several cases of conflict discour, especially during a passayon in functional cases. In one of the latter cases I found the patient suffering erversly from a rapid, weak irregular action of the beaut, precentled pair, and accion, and a great decad of transcrint discounties. I administered twelve drops of the fluid extract of the poot, and in thirty minutes more, but drops, and within three-quantum of an isom all the districting symptoms had satesided, leaving the patient with quite a full, regular heart action of severty per minutes. It seems to have a special influence in-correcting shythmical structure. It seems to have a special influence in-correcting shythmical structured variety it also seen most desirably, increasing the force and rhythm, and promptly reflexing all the districting symptoms.

In conclusion: convaling is a reliable boart route reducing its pulsation if above normal, and increased them if below, and arrays narrowing the beart's free and phythm. It has either very mild disretic powers or is not disretic at all. It is poleonous in over-doors, and thendow it should be given in small doors, gradually numerical until the during effect is obtained. It has given no evidence of containaive effect in my

bends.

Presinca Environment-(Jamaica Dogwood).

Providence trees: Pinid extract (Parke, Davis & Co'e). Been from half a drackes to two drackes every three or four hours,

It is anodyne and hypostic, in from \$1.5 to \$11, does. It has not mut my experiments in case of facial neuralgia. It has afterly failed as a substitute for opious or its alkaloids. It has a good effect in suspic cases of inserants assecongusated with guist, but where pain exists from any came it has no effect in two drackers does three hours apart. It has no implement after effect.

Cartaini Samanu-(Cartornia Buckillors).

Pannantice sinti Plais cation and Cascara Sagnula Cordial, the former mode by Schieffelin & Co., New York, and Parks, Davis & Co., Bennit, Mick.

All the fivid extract, I gave these from five minima to two directors, according to the person and the effect doored. All the confinal I gave from a drawbox to built a flaid contra. It is specient; it is also cathartic, I have not observed any chalapogue effects in me use.

Its action some to be more porticularly on the color. It seems to require a little larger dose after constant use for some time. It is the best involve that I have yet said for chronic constipation. It does not gripe, not does it predice any unplementance at stool. I have used it in quite a comber of cases of habitual constipation since receiving that request from your committee to investigate its strates, and I am more than pleased with the results attained.

In many cases where it has been prescribed the patients recent a rape ply and take it as occasion demands, excitate to acture an elettre discharge daily.

I have not used the different electer enough to express as spicious thereon. Let the others I have freely such and carefully noted their action; besides I have experimental freely with them, in my own case, as well as with other members of any family with the results shown motels.

NEW HAVEN COUNTY.

New HAVES, May 25, 1885.

To the Committee on Matters of Physicianal Interest:

I have to report that during the past year the county, so far as I know, has not been afflicted with epidemics of any of the contagous diseases. Measks, scarlet.ferer, and dightheria have not been as provalent as in former years, nor have they produced as serious results. Informations fover which has been quite uses intion in New Haven for three or four years is making its appearance again this spring in the form of typical cases. In North Haven, however, in the neighborhood of the hoos-yards the diseuse is endersie, and in this interval in which New Hater has had enmunity, the trick yards have ternahed cases constantly. Typloid lower precised tast full more abundantly than usual and with a harger propertion of falal cases. It has been a very easy matter in many instances to trace a coveridence of this disease with a watersupply contaminated by corage. Our cities are still abundantly supplied with wells which receive some of their concerts from cosgools and prive vanits located at distance of from six to twolve Jesi. And tonance are compulled frequently to deink this water activithitianling that the landlords have been notified either by physicians or lealth bounds that it is dangerous to health and life. It is a pity that health bunels are not more huntily supported by the public in their effects to rid us of such sources of diame.

March, as usual, has beengths us a large supply of cases of pusumonta, and this year has excelled its late predocessors in the number and fatality of its cases. The cold, dusty, windy weather of March, 1883, has carried away by prountents many of the strong still healthy of our population. And contrary to classic literature many of the cases arose from colds or broughtas which had hope allowed to run on for several days or a week and then preumous set in. The upper lobes seemed in the practice of many to be more frequently affected than common, and perhaps this will serve to account in part at least for the increased metality.

Antipyris has been used in some hands, but with no other effect, than the discipution in temperature as claimed for it. Among the new remedies introduced into the apenture during the year, cocaine has already been universally and thoroughly amployed. It might almost be said that it has already found a permanent place in surgery, though what its Jubire in medicine may be it is still too sarily to state. It has been thoroughly tried by the physicians of this county with energies in eye and throat affections and operations and, when compared with the amplementtion of the taking of other, is, when applicable, much to be performed by the physician and patient.

Yours truly,
MAX MAH, HOUSE, M.D.,
County Reporter.

Instor Mailtonia, Reporter for New Harm Privaty

Dean Son: In answers to impuiries be the Committee on Matters of Professional Interest I would believe you that my experience with the substances in quarties has not impressed me with any great respect for their therapoutic value. I have used Januara Degressi very feedy and do not consider it a reliable substivite for opium for whatever surpost or in whatever manuse emplayed. The proparations of Lily of the Valley I have not but opportunity to use frusly strough so as to give any valuable opinion about them. As to Cisoma ogende I thrule it a good outharns and better lauxier. but there are many others as good and very much cheaper. I do not incline to suppoy it. The picates I have used freely and with a wide range of application. I perfor outments in which the respective salts which form the bars of the obutor are med by adminture with last or vaseline or whatever enrighent I might wish to employ: not that the obutes have not done very well, but that the extemporous continents have done just as well and are much cheaper, and allow the polyment of the physician, sed the skill of the pharmacist more more. As I do not think that matters of professional interest are confined to the thousantic experiments which the committee have unused out. I would report that is my practice posumonia has been a very poverbut and very fatal. disease during the present spring. During the usuals of April I have had under treatment thirteen cases of acute lobar passimontawith eight deaths. Of these four were promingals of spea with great nervous disturbance. The treatment around in to case to

produce any effect on either the course, duration, to elitione result of the disease. Cases field or surece that were treated to any way at all got well or died from intrance cames only. Antipyrin where ever need produced reduction of temperature better than anything I have ever used as an autipyretic, but the mortality-does not seem to be effected by its true at all. Altopether, my experience with passuments this season confirms my view expressed once years ago that postmoria is an essential fever, and that no treatment as yet derived produces any effect on the discoss. I am every that the limit of time and space precisions any effect to give further actuals.

I am, ancerely yours, H. PLEISCHNER.

LAPAROTOMY FOR OVABLAN CYST.

BY A. W. DEBLIFOOD, SLIL, NEW HAVEN

Mrs. C. H., set. 55, mother of four boys-experienced the menepasse. accountly at the age of 42. General health always delients, ber as good as count fast July (1884) when she line noticed that her delenies was enlarging. In the following December she permitted a physician to tapher with a troop at his office. Pollowing this came peritories from which she was thought to be drive when I first more her. At this time the norms was atcophicd, drawn strongly up against the promontory of the sarran and was nearly fixed in position. The or ctori was widely og que. There was no evidence of recent or remote polytic disease. I diagnosticated circumscribed peritteitis about the site of the abduminal peneture, and searing cost as the primary disease. You weeks later ste had measured from the peritonitie but seffered greatly from despnew and dyspepola, and as she unsely declared operative interference, I aspirated fire queris of flaté of the following description, through a usedie cleaned with liquified carbolic acid. 5. Gr. 1919, pale strate order, from the firmed tra, the act sticky between the degree, and redimentation at the red of twesty-four hous; --contains affection.

The patient rapidly improved after appraison, but the bereit proved only transparary. The left key began to send, The abdorne refilled. Much 11, 1885, I appraised anticeptically three quarts of hipsid which was intell thicker and darker than before. Again temperary relief green place to extreme feelbooms, and, educated by experience, the patient feelily submitted to the knife. Represent enteriors and extellidated are diagrams. I believed the policie to be the left broad hypmant con-

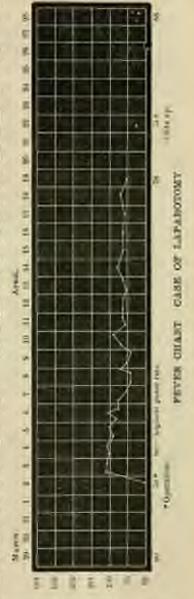
siderably chargated. The previous history indicated extensive adhesions at least arteriorly.

On April 2d, smitted by Dev. Gentarus Erica and Robert T. Monin I performed imparetomy and removed the cyst, finding the lesions as expected.

The operation lasted one hour and five minister, and the putient made . Ispid and complete recovery as in portially indicated by the referenced chart, where it is seen that she left her had in the twentieth day. By the aid of a hypodermic injection of § gr. morphia, amerikasia was maintained with less than six ounces. of other, and the patient doubt quietly until country. I employed strict antisoptic psycamtions and permanual dreadings which were removed on the loutterath day when courthing was found heafed and clean with no trace of pas. The patient is new attending to her homehold daties, and enjoying better health then for many years.

The planes — untisoptic presentions—is commonly used to express measures of a varied and often indefinite mean. In order to be more —cast I will briefly outline the chief points attented to

The operating room was theregally scoured a week in advance, school from the rest of the house, and left to air with windows open and a first fire. All secondary intensits beams, tables, etc., were likewise, eleaned and rollected in this room. The potient took a both the day before the operation, and fresh elothing and healthing were provi-



ded. All instruments, sponges, etc., were carefully chared, in a word what may be called gross eleminess was fest of all messed.

As to special germendal precatations all towels were prepared by prolonged beiling, smaling in hi chloride of mercury solution,—sol. I, and ironing. Springer shoul is glass jur of not 1, ontil the meanest of tening. All mateuments were beined in boro-astheyine acid solution.—sol. 2, dried with and symptod in a prepared towel till the operation when they steed as sol. 2.

Early in the mercing of the operation the patient's abdomin was sharen, the abdomin and navel cleaned with sol. I, and a comprise of the same fluid left in sim gratif the moment of certing. The surgicine hands were scaked in sol. I, prepared towels firshly wring out of sol. I were spread all about the abdomin before the invision was made, and the latter was irrigated with sponges despying with sol. 2. When the saw was reached the lips of the wound were ameared with carbellood vascline, the saw was side open, the woman termed on her side and the centents allowed to mempe. The saw was then packed with prepared sprayes to facilitate handling and guard against leakage of existents. The policie was tied with stout radget scaked in oil junique, and afterwards in alcohol, and two arteries were ligated with the same material, the stemp being returned to the peritonnal carity which was then eleaned with fresh sol. 2, and sponges.

The incides was closed with four sets of interrupted catgot actions twicing respectively the peritosents, linea alta, deep ordinar tissue and skin.

The skin was then washed with sel. I, and dured with indefere, a strip of protective silk being placed along the incision to powent adhesion to the decorage.

Next came a drainage compress of bigblookle gauge, then a layer of horsted cotton, and finally a sheet of protective silk under a lightly applied abbrevious bandage,

When these densitys were removed on the 14th day, the knots of these antique that were tied externally by beese upon the strin, all elsehaving laces absorbed. Two days later the cleaning was felt to be solid throughout. The presumption is that after fulfilling their function, the positive ligatures were also absorbed.

In closing it may be well to note that an exemination of the epst wall revealed the fact that the site of my needle penetures was five from adhresions, contrasting atroughy with the oridiness of perstabilis set upby the trocas. In this case aspiration did much to prepare the patient for operation, leaded very materially facilitating a correct diagnosis.

FAIRFIELD COUNTY.

ENCEPHALOID OF LUNG.-AUTOPSY.

E. SAUTER, M.D., THIS SPORT.

E. L., aged 56 years, was a young man of fair habits, well beened, and by occupation a professional bull-player. His mother, aged 60, is new fiving: his father-filed some years son. Members of the family we healthy and there is no record of interited disease. While actively engaged in a game last October, after having played through the wason, and while remring between bases, he was struck by a planer, in the right side. He was a deet ragger, and the blow was a severe one. He was knowledflows; and on recovering himself he spat about a braspoonful of blood. He, however, fulded the game in his impaired condition. From that time he began to have pair and distress located chiefly at the site of the injury, but at times more diffused over the entire side. This discontint he endured ancomplainingly for some time, but was led, on its increase, to abtain merical advice. He sought the counted of a young, attacagh even new an eminent practitioner, who had sought the " leabble reputation at the cusmon's month," besides gaining much experience by army practice. His case was processed to be one of stretching of the nerses, and for it he was cupped. Anodynes were given for the pains which had now become considerable, and about the beginning of December he took to the bed which he never left allive. The attending physiclan, fulling to give relief the his patient or for some mexplained musen, left him martingfed for three weeks, and I was called on the lifteenth of Juruary last. His condition I found much as follows: The patient had lost grack floit, being reduced from 100 lin, to about 120 lbs.; the countenance was expressive of continued softening. The right shoulder was elevated nearly two inches above the plans of the opposite one, the spaces between the ribs were bulging, the entire right side was food and immorable in respiration, and the same side measured from stemans to spine two and one-half laches more than the left. Just below the claricle and to the right of the stoman was a prominence and reddeping of the skin with slight fluctuation densiting pointing, with possible breaking through of pent-on field. On percussion I found dulines front and believed, merilad dallosse from claricle to firm

Assentation revealed absence of every physical sign everyting brenchial respiration. There was no fewer—at to time-did I find any elevation of temperature. The indications pointed consistskalely to a fluid within the pleural excity. To add to this supposition was the fact, and previously invationed, that the heart was displaced upwards and to the left. The history was one of physicisy, but in some way the spirit of

Excellents whispered in my cm, neither serum not pus is them rewarded. In other words I had a presentiment that there was nonething terminal in the case. Instinctively I sought advice; at the sum time properties to aspirate. I required my Iriand, Dr. Wordin, to visit the patient with me, and assist in aspirating and diagnosis.

Aspiration would certainly be a help in diagnosis, if it did not bring immediate wilef, though the latter object was the one directly sought. On Friday, January 19th, the day after my first visit, I attempted aspiration as follows. Using the largest usedly, about A luch is diameter, I introduced it between the fifth and sixth ribs, in a line drawn perpendicular from the axillary quace. Blood, small in amount, and frethy in character, one the result. Thinking that the apparatus might be planged, after taking out the neally, water was made to pass freely through the vabing, and a second time the needle was entered, higher up and further to the front, between the second and third nine, in the anterior portion of the chest. This was so ness the protresson spokes of as our anatomical terrs would penult us to go. The result, after thoroughly exhausting the reservoir, was no better than before. The case began to be interesting, almost embarraoing. But remembering other cases where defeat had best followed by rictory, the former being our own, the latter that of unother, and not willing to be outdone again, the needle was a third time introduced, and now at the posterior portion of the clear, between the fourth and tifth tiles. The blood did, this time, obstruct the needle, giving as an equatority for retreat under the pretext of a broken apparatas. The poor fellow had beens the trying ordeal well, for his respiration was labored, his pains continuous, and he had not been able, since confinement to hell, to lie upon the left side, or to-sit up for any length of time. During the equention he had had to assume either one or the other of three positions. The pulse was quickened very unternally by the interference, so that it came to be almost imperceptible. He was a fellow of nearly plants. He had been accustomed to appear on the stage under the paradonym of one of the Anderson brothers whose wonderful performance in shooting have made them notorious. Illa brother tells me that once when his companies had made a mischet and bit his fager instead of the apple, indischingly he went through the program, giving so sign of the pass inflicted. We gave the patient ancilyne and retired in good order to hold a council of war. We had altalised no serves, not a drop of pers, and fees than a tablespoonful of blood-We had all the symptoms of a find in the plearal cavity, of which there can be lest three kinds, and we ought to have secured some, had there been any quantity. But no. The symptoms were circledy studied to find a history of hectic brackening pass. The little blood obtained led to the inquiry for accurries. But while the blow might have raused one, the patient was young and not diseased, not were the prayical sirm presentBut supposing the injury received two months previously to have been followed by repture of an antery of the thoracic scalls, and as effusive into the pletter to have followed. The learned Transmen in his slegant lecture (8 Xxiii) on Transmentic Efficient of Blood into the Pietra—Paracentesis of the close. "Lectures on Clinical Medicine," vol. i, p. 634, discusses this very condition, and sums up in these words: "When blood is affused into the pietra, consequent upon a wound of the chast, conjulation takes places in a few minutes, so that to perform the operation for empyones with a view to remove the blood is as senseless as it is moless. Whether is be section, the worst and most aband of all the operations, or pumping not the blood (a still more dangurens proceeding, as it is a more foreible kind of an time,—whether simple tapping be resected to, or whether in incision be made in an interestal space, it will be impossible to withdraw the blood, on account of its congulated condition."

It was by this time apparent that the case was no ordinary one, and we searched for more light. By appointment, Dr. Hubbard now the patient on the creating of Saturday the 17th, and suggested another trial at purprentons with a needle of larger calibre, and the powerful exhauster of Disulated. In discussing the penaltritation that of muligrant growth, which of course had been thought of, now came to the front, and it seemed to me certain that we were not dealing with a fluid, either ancidated or diffixed, but that we had an encephalaid, the result of an injury and starting from that sent. With the exception of the numeles, tendous, nerves, cartillages, ligaments, and appraeuroses, there is no part of the tody in which encephaloid has not been observed. The age of the patient was not favorable to encephaloid. In ninety-one tabulated cases, fifty-isosoccurred in persons from twenty-one to fifty, and twenty happened from twenty-one to thirty. The disease is one of anomally moid development, repecially when caused by violence. The only areaphined sign in all the theories was the duliness on percussion above the flum on the right side. On Sunday morning the 18th, Dr. Habbard attenuated (and very confidently) to withdraw fluid. He selected a needle of very large calibre, say in such. This he plunged deeply into the pictra, selecting the position prescribed by Bewlitch-a line let full perpendicularly from the angle of the scapula. Dr. Godfrey made powerful exhaustion of the opinitor. lest no fisid was obtained in quantity, a little fietly blood was all that could be precared. This was examined microscopically and found to contain nothing abnormal. In the several operations it was noticed that the fluid flowed more freely when the pump was not working. spounds in each case were closed with planter, and now the patient was awared (an assurance he received with gentification manistakuldes, that he would be discurbed no more. The iteal result of the consultation was that aething further could be done, and that the patient was beyond burnes relief. It was closely watched until the sufferer's pains were ended on the averaing of February 5th, at 11 50 o'clock. The coice had come to be only a whisper, the hand and arm were very extensions, the same being true of the other side to a slight extent.

The post morters was made by Doctors Godfrey and Russell at these a'clock on the afternson of the same day, less than four hours after death and before the warmth had gone. I am exceedingly indebted to these gentlemen for the skill, the neatures and the indefatigable labor with which they performed this important part of the diagrams. In entering the thorax blood was found in considerable quantities. Whenever a bulging into space on the right side was opened, blood immediately flowed. The amount cannot be determined perhaps three plats. The contents of the entire side was a solid mais, iffing completely the natural cavity and enlarging it both above and below. The nemal limit was encreached upon above and it seemed as if the entire shoulder had been pushed up to make more more. Below, the displanger was depressed, and the lower border of the liver was below the line of the unbillion. Laterally the left cavity was encroached upon; the heart was found displaced as has been already indicated. Even the hones had felt the pressure, and had become densited of periosteam, corroded, and very much impaired. Of especial interest was the spot of fractuation near the sterno-clavicular articulation. It was seen to be made by a mass of colhid or jellydike atlatance, inder in color, somewhat globular in atmoture. Similar specimens were found throughout the mass. Encephaloid. tunor, however, presents in most cases not a little variety of form or diversity of appearance and consistence. The entire mass was carefully taken out and preserved-a work of stuck care and labor. It could not be supported by its own weight, and so soft and brain-like was it that portions of it dropped off by their own weight. It was interesting to exencise if the malignant growth had lavaded other parts. The glands of the skills were not involved, so that the orders must have been entirely caused by pressure of the mass. In the liver, upon which the carret lay, separated only by the displangus, there seemed at first to he a spot of infiltration, but when the fiver was taken our and cut it was found to be healthy in all respects. The intestines were not diseased, nor was any organ of the body. The progress of this malignant growth had been continuous and rapid, killing its vigorous victim in four months from the probable time of its inception. I speak of the time of its inception became of the thours now under study by eminent arrivers. that every malignant growth has its origin in some wound or direct irritation. In the cases of carcinoma or oven of navounteen growth which have once under my care within my recollection, I am able to trace their beginning to the cause mentioned.

The dallness found extending to the illims would be explained when the depressed position of the abdominal organs was seen. There is no explanation of the extension of that deliness in the creat of the petristeriors on the supposition that the tense and rigid confittion of this abdominal accorder may have presented the cleaness reginarily found.

Dit. N. E. Wester,

Ubnirms of Committee on Matters of Professional Interest in the State.

DEAR SIK: I have not been favored with a single reply to the printed list of questions sent out. As far as I can learn there has been an uramade great number of cases of paremetric in the various parts of our county during the past winter and spring. Also a large number of cases of securios, and mans of them of quite a secure type, being complicated by crysipelas, especially in Dantany, and promotin. I have seen a regular of cases of severe and obstitute occurs during the past year, which I have treated successfully by fuld extract success afternos, McDade's formula. The fleid extract which I used was made by Eli-Lilly & Co. of Indianapolis. It is an alcoholic fluid extract of four differest roots, freship gathered, smilax samaparilla, stillingia sylvatica. (queen's delight), lappa minor (Bardock), phytidaces decandra (pokerool), and a fracture of xamboxylum carefinianus (prickly sah). I began giving a temporadal in water before usuals three times a day, and gradunity increased to tablespoonts! doses. I did not know at the time that the remody had over been used for non-specific occurs, and wroteto Dr. McDade at Montgamery, Alabama, of my success. I received a reply from him in which he said that though its principal use had been in syphilis, yet it had found place in the accountal treatment of many other diseases, when we alterative second indicated, and Dr. McDude sent me the bistory of a case of ecoera of forty years standing, which is considered surred by one and one-half gires of success alternas.

made t.

My first case, Mrs. G., married; family and personal history good. Has had sewere uttacks of occurs for many years past, otherwise has surjuyed good health.

Three years ago she came into my hards after having been unsuccess. Saily treated by other physicians, who had given her arcenic and other remodies, using locally nintments, market, indis-robber bundages, etc. I then treated her maccessfully by the alkaline treatment, giving bland and effectuating alkaline for a long time, and she remained well for three years, when she had another struck. As I was every from home, a homospathic physician was called who treated her for a while, but with no account. I was finally again supfied to, but the treatment which did as well before, would are anothed though differently persisted in. The

case was extremely obstinate, and I have hild an extensive experience with recess. I finally gave success alternas (McDude) beginning in improved at doors, before meab in water, gradually increasing the door to a tablespoonful. The disease begun to improve and was cured. The cruption was on the left leg and foot, and on the wrists and hand.

CASE III.

Mr. 8., backeter, aged fifty, severe christic ergema, have of rost and in part of hair ever furchead. This case had been treated at various times by the most prominent skin specialists of New York, and though relieved was not cased, and the patient having consisted so many good physicians without good result was about discouraged. I treated him same as case one, with the most gratifying results, and he is perfectly cased. This gratienan is highly educated, and has seen wark of the sould. He is very enthusiastic over the result in his case.

CARR III.

Mr. W., aged fifty-four, married; severa attacks of general eccenia covering the body, and rousing on with cold weather. I attended him severa years ago for an attack which almost threatened his life, on account of the great deposation caused by the extent of skin involved. He has been taking success alterant this winter, and has received more benefit than from any other reasedy.

I did not see him at the beginning of the last attack, but he has agreed to begin the modicine as soon as the discuse may appear next fall, with the approach of rold weather, and I feel confident that he will find relief.

DESCRIPTION MELLIPIES.

In the New York Medical Journal for November 22, 1884, four scienced typical cases of dishetes medition are published, not before reported, by Dr. Anatin Plint, Jr., and I new report a case cured by the same means,—strict arti-dishetic diet and Clemenal solution of assemble of Brownies.

Mr. M., aged fifty-two, matried, came insier my care last October, 1884. He was robust, had always enjoyed good health, but had worked very bard. For several souths before coming under my observation he had suffered from excessive arimation, absorptial thirst, loss of strongth, impairment of appetite, and had lost a large amount of flesh. I assaulated a specimen of the infine, and found a specific gravity of 1828, with a large quantity of sugar. I at once set him upon a rigid anti-finitetic diet, and posseribed three drops of Church's election, assaults of Bremite, with six drops developined therapy of opine, there times

daily. I also had but drink Cartisted water, made by dissoving the salt, and this was varied by using Natrolithic states for a drink.

This patient began to gain soon after taking treatment, and has been apparently can'd for the past three months. Urine normal in quantity, specific gravity 1920, -- no argue, and the general diabetic symptoms have long since disappeared and have not returned. He now lives on ordinary diet, but avoids sugar and exects, and feels that he is entirely cured. I feel that the quotation from Carmin made by Dr. Flint, and repeated again at the end of his report of cases, is fully justified, and that diabetes has become to-day a disease easily and certainly cumble, provided that the tournest jours; he not begun too late. There seems, however, to be some cases that do not follow the general rule, and respond, to the above generally successful treatment. Cases occurring in the very young and from injury are constinues more immerable. These lately find a case occurring in a bea of seven, impacting after concusion of the spine, received while turning somerounits, which goes to prove the shore conclusion. The boy referred to was turnlay "head over beels" on a bed, and saddenly felt from the bed to the floor, tambling about there like a recently decapitated chicken. I found that he had metalized a fracture of the internal condule of the right humerus. This I treated by an argular splint for twelve days then a simple sling, he giving passive motion about the end of the first week. This gave unexcellent result. But som after being from this boy began to loss flesh, while thirst and general dialetic symptoms before long appeared. He was dead at the end of these months, -dying executors, and in spite of all treatment.

Wa. A. Locuwoon, M.D., County Reporter.

ABSCESS OF THE LIVER. ASPIRATION. RECOVERY.

BY B. S. ROCKEY, M.R. STRATFORD.

Mrs. P., aged severty-one years. Always been well until sight hears age. First called July 7, 1884. Pulse 120, complexion unline, connectation, enlargement in right side over one third of the liver, dull purcussion; great temberness all over, longue florred, to appetite.

> 5 Pot. Bicarb. 3-0; Ret. Boldo. Pl. (-5-0) Tr. Cinchon, Comp. (-5); Syrup Sars Comp. q. a. 0; (-5);

M. B. One temporatul time time a day.

Patient improved. Pever and tenderson substitute. Turner remains daily 18th. Cented visits.

July Stat. Successful again. Pound turner softened. Diagnosis. Absorpt of liver. Patient without appetite, delibrated.

July 24th. Dr. Lauder of Bridgeport, caffed in consultation. He confirmed the diagnosis and recommended aspiration. At this time, the nanor extended from the extremity of the sterners through the whole of the right illac flows, nearly to the public boss serom the tradian line. The needle was introduced.

About a pint of pen was obtained. The pen was exceedingly offender to smell, this in character, and coffee become in color. Under the microscope the corposche were seen to have undergone complete degeneration. Crystals of typics were discovered, which are almost pathogrammetr of the fiver as its source. Characterity the presence of hills was detected.

July 10th Improvement in general appearance and appetite. Tomor distributed.

August 2d. Improvement in general condition and appetite, but accumulation of percent appl aspirated.

Alagnot ittle. Abscuss filled with year.

August 5th. Aspirated again, obtaining a pint and a half of pro, some character as before.

Patient Improving.

August (2th. Dr. Lander being about from town, Dr. Worden aspirated, and drew off two thirds of a plan. As had been posteroisty determined, an incision was then unde with a probe polated bispensy, increduced at the opening, which still remained from the previous aspiration. For this incision the puttern inhaled other.

The eavity was washed out, and a soft eatherst inserted, to which a drainage tube was attached. The estheter was passed in about its teches. The daily discharge of pus was about f § iii until August 524, when it began to dissiste, and steads improvement followed.

October 7th. Patient discharged, mirel. Her weight has increased from one franched and ten to tax handred and severity pounds, has present weight. She is more in perfect health.

MIDDLESEX COUNTY.

Duman, April 29, 1885.

Data Doctor: I have tried the duid extract of casesra sagnula from several manufacturers and are much pleased with its effect. I have tried it in not less than twenty cases of constitution, and the reports are very unanimous in regard to its effects as a sure, the cough, and easy laxative or rathertic according to the dose. I order from twenty to twenty five or thirty drops at hed-time, and it operates in about sine bears with no graping. I consider it a great acquisition and shall never practice without it. The coated pills formulaed me would not operate in less than twenty four boars andess cut in two, in which case they operated in about the same time as the flaid extract. I have not tried the other articles sufficiently to express an opinion.

Your respectfully, R. W. MATHEWSON

TOLLAND COUNTY.

FEMORAL ABSCESS CAUSING DEATH BY VENOUS DEMORRHAGE.

E. S. PLEST, M.D., SHITTE COTTATUE.

The case was our of unitiple absent, fellowing mustin, in a shill two resetts abi. The family had removed to this virinity after the infant's recovery from the massles.

Three abscesses formed, one on each hand, and one in Sourpa's triangle on the left thigh.

I was transpored late in the afternoon, and on my arrival, the mether stated that the abscess in the thigh "broke" on the preceding day, and but been coming blood ever since evacuantly. The dark color of the blood, showed it to be senson, and the slightest persons on the abscess incremed the flow. Every disper that had been removed, was freely stained with blood. The little potient presented a strikingly exampsimated appearance, was perfectly transmission, and survived but a short time.

Though the child was destificated from the efforts of the sraptive discase, and the formation of the abscesses, the homorphage was plainly the immediate cases of death.

There was no opportunity for a post mortum examination.

DIABETES INSIPEDUS SECONDARY TO AN ATTACK OF DIPEL-THERIA, AND POLLOWED BY RHEUMATIC PRVER

II. P. PLINT, M.D., NOVIH POVENTRY.

E. D., age about fifty, was attacked last November by operatic diplotheria, which run a tolerably severe course, but developed no especial poruliarities.

The characteristic symptoms of the disease and subsided and mostly disappeaced, leaving the inevitable wasting and debility, when the patient began to complain of excessive thirst, and a corresponding frequency in substantian and increase in the quantity of urine voided, which quickly rose to the large amount of fifteen pints frating twenty bur hours.

Tinct, opti and fid, ext. ergot combined, decreased the quantity of urine above one-half in ferty eight house, when the patient's stouach commenced pensistently rejecting the remedy, and the urine half markedly increased by my next visit.

I withdrew all medication except simply directing the water, which

he could not must imbibling in enermous quantities, to be mildly wishe lated with sitric and dil-

From that time, the polyuria and increment then treadily and rapidly establed, and entirely disappeared in about two weeks.

There was an engar present at any time, but always a slight trace of allowers, which in the aggregate must, of course, have been considerable. This entirely disappeared as the urias decreased to a normal amount.

T. Lander Brunton, is speaking of diabetes insipides says: "It has also been observed to come on during precessing from foreign, either continued or remittent." Also, "a sudden come has been observed during processy from febrile disease,"

About one week after my patient's recovery, and ere he, hardly, had begun to recruit from his dehitiated condition, I was hardly emmanded to find him severily attacked with acute thermation.

Although I had almost coveriably obtained most antisfactory results from the exhibition of sullcyhito of sola, in this disease, I shrunk from its possible effects in this man, so weakened by disease and suffering.

Choosing a temporholog course, I administered the estine treatment.

For several days the painful disease continued its course and soot typhoid symptoms more added, dry and become tougue, tympositie, and low-mattering-deligious.

Inforced by articles published in some of the Melicel Jerraels on the complication of typhoid force with inflammatory rhomation, I decided that I had genuise typhoid to contend with when the typhoid condition appeared. But it was apparent that much of the rhomatic treable about the joints had the papeared at the same time, and acting upon this shap, and realizing that the case was rapidly approaching a latal termination, I prescribed provession dows of salicylate of soils.

The next day every symptom was more freezable, and continuing the same records, the "Typhold fever" rapidly disappeared and the theumation with it.

A little stuffness about some of the joints flating convalencement removed by the exhibition, for a few days, of lod. potnes, and the putient from that time made a rapid and complete recovery.

ABSENCE OF ALBUMINURIA IN BRIGHT'S DISEASE.

BY VEHIC WALSEL MAY RECEVELE.

In cases of advanced Bright's disease absence of allowers from the urms in not measures, and indeed some cases of vention Bright's disease, where no allowers whatever was observed during life, have occurrenally been recorded. Still, indeed, it is rare for the tiring of a patient, long under accurate observation, to show an avoidence of regal disease by the ordinary test, until ten and and six days, respectively, before death, as in the two cases reported in this paper, and yet for the post-mortem examination to show, as in case I, that the kelneys were so stropkied that not more thin any sixth at most of their substance could be functional.

STARTED IN

Male, aged 50, was for eleven weeks confined in the loopital of the Quantitive Periferency, Canada, suffering from general droppy and great dyspoon, and was seen by myself theiry in company with Dr. Mitchell, for the last six weeks of his filmess. Mitral insufficiency with hypertrophy was diagnosed, but was considered insufficient to account for the symptoms. The potient had no litting of applicit, and was passing, on an average, about 24 pints into daily.

fligue of kidney affection were carefully looked for, but with negative coulds—the urise bring of scenal color, sold reaction, specific gravity 1921, without albumen, but occusionally containing phosphates. Ten says before death the trine diminished very materially in quantity. We arrange quantity per day being about one plut, solor clear brown red, of specific gravity 1928. It contained by aline casts, albumen, and a few white and red blood corporation.

Post-merico Appearance.—There were complete attrophy of left hidney, and of about one-half of the right with interstitut and percentignation influentation of the reminder of the right hidney; hypertrophy of left ventricle of the heart with fatty degeneration of the suscellar part of that organ; and consolidation of one-half lower labe of right lung. These was no intersecutive examination mode.

CARR III.

Mrs. M., agest 25, married, feur children. The history die parame when culted to see her for the first time, April 19th, was that for a year previously she had been treated for heart disease and droper. On examination I found the abdresses distanced with audite effects there was general sensores, decided anomia, and impaired vision. Upon smealistics found a marriar occurring with the contraction of the heart and the first sensel. For some time was undecided as to whether it was salted or trioupid imaffectory, but finally concluded that it was the former. The unite was of the specific gravity, 1028; to albumous to costs but deficient in quantity, in the only passed about 1½ place daily. I managed but urine mustly every other day for albumous, but found come, will the sixth day previous to bet death, May 10th, when I found it is atemplance.

In this case no post-morten was allowed, and hence my diagnosis could not be verified; but the symptoms so murly approximate the first, that I naturally infer the knions were very similar in both. Heidenhain says that the separation of the water and salts of the urise occur in the glasserell, and that the specific arinary conditions are secreted by the uction of the spithelium lining of the urinary tobules, and he also parrates come experiments to prove this. He says the absence of albument to bealth) refine may be accounted for, although secreted from an albemenous fluid, by the presence of the complete spithelial covering of the denertli. I think that ease I above strengly supports Beidenhain's theory as in the parts of the kidney which see active in the separative of the urise from the blood. From the fact of but one sixth part if the kidney, seerening nearly the normal amount of urine, to all appearance and analyses identical with healthy urine, we would infer that it was not a process of simple filtration, as some German writers held. but a sorretion by tissue, which, in the way of compensation, can take on insteaded function.

CENTENNIAL OBSERVATIONS ON THE PAST, PRES-ENT, AND PUTURE OF THE CONNECTICUT MEDICAL SOCIETY.

By S. G. Husnam, M.D., New HAVEN

[Boad before the New Haven County Meeting, April 16, 1883.]

Under the operation of physiological law, the growth and development of organic bodies depend upon the regularity and completeness of the molecular changes which occur in them. Men
and their institutions, in subjection to a similar minimal law, must
undergo repeated material transformations and such constitutional
changes as will best fit them to fulfill their legitimate functions,
otherwise, healthy existence cannot be maintained. The constitutions of States, the charters of colleges and octos, the organizations
of scientific bodies, and all those associations which are the outgrowth of civilination, and mark the progress of energial and
material development in every community, must be constantly
subject to modifications and changes if they would keep pace with
the advancement of human thought, and with the absolute require
ments of markind.

Whenever such changes become impossible of accomplishment decay and death are close at hand.

The necessity for the inauguration of such organic changes as affect the life or usefulness of an institution may have been for many years an admitted fact in the inner consciousness of its thoughtful members, awaring only the expanding force of a rare or even of a common-plans event to develop a feeble affinision of pusible danger into a deep and positive conviction of its existence. The interest which always content around chronological exents in their relations to the life and welfare of a public institution, converts most naturally these centennial days into an occasion for critical introspection of our affairs and prospects

We have reached to-fay, Mr. Precident and Gentlemen, a period in our history of the greatest possible interest and importance; an epoch of time from which we chall date all the events in our future,—a point of observation from which we may look back ward and corefully note the successes and the mistakes of the first hundred years of our existence; and tooking forward from this elevation into the dim unknown we should endourse, in the light of contemporancess history, and of our own experiences, to met the horoscope of the future, bringing to our and the calm spirit of philosophical impriry and the captions boldness with which we are accustomed to consider the gravest professional problems

But while we broaden and despen our foundations to meet the demands of a newer civilization, let us correct our mutakes, and strengthen curselves for the new triumphs and trials that await us in the progress of the second century on which we have just entered.

This contennial anniversary of the New Haven County Medical Society, as it was at first named, is an appropriate occasion for recalling briefly the condition of the profession of Connecticut in the early days of the republic, together with the circumstances and purposes which led directly to its formation, and the events which followed it. We may thus be enabled to trace to their tourse the striking peculiarities for which our State Society is distinguished, and to appreciate more fully the tenacity with which it adheres to the outworn theories of a dead past.

Those of you who are familiar with the interesting and increasingly valuable paper of Dr. Henry Bronson, on the "Origin of the Connecticut Medical Society," published in our Proceedings for 1873 (and all who were members at that shie know it well), are aware that the principal object the founders of this society had in view was, that it might serve as a strategical base of operations—an advanced position—from which they could more advantageously direct the contest about to be inaugurated, the real purpose of which was the formation of a State Medical Society, on a plan that had been already matured.

It may, then, be truthfully said, that the existence of the Connectical Medical Society began a bundred years ago, when all its parts were fashioned, and its lines were laid upon a borrowed model, the working qualities of which had not then been tested. And although, because of the inadmissible demands of the thirtytwo persons who petitioned for an act of incorporation, a charter was repeatedly densed to them, and its organic life was retained for eight years, the Stato Society has been an actual living bosos in the minds and hearts of the profession since \$784. Before proceeding further, prehaps what I have said of the descards of the petitioners for exclusive rights, extraordinary privileges, and dangerous powers, requires a word of explanation.

During the closing years of the Revolutionary War, and annueliately after the establishment of peace, a large number of medical mon of wide experience and superior ability, of which they seemed fully conscious, returned, after prolonged and ardious services with our arrose in the field, to their quiet homes in Connections; and it would not be stronge if they brought with them the habits of eigenand, the self-appropriation and the arrogance to common iming professional men of that early time, greatly interested by the influences of army life. They found already arganized in a neighboring commonwealth, by men of rimitar experiences and mental habits, a State Medical Society, and feeling the need of a similar organization theresolves, and in view of the pre-emment. position and influence conceded then and always to the profession. of that State, it was most ratural that the charter of the Massaclimetts Medical Society, granted in 1781, should have been closely copied as a model of wisdom by the early profession of Connec-Israt.

But when, as petitioners, they knocked at the doors of our General. Assembly, in 1784, asking for the incorporation of thirty-two physicians - four from each county - as a body corporate, to be known at Pellows of the Connecticut Medical Society, chosen for life, or during good beliavior, and limited in number to sixty yessens, the petition was promptly douled on high constitutional grounds, and as contrary to public policy. The next year the perintenses amended their bill of form and mand for a charter by the terms of which the limit in number of Fellows was extended to severty; and in order to quiet opposition that had arisen to the charter is some portions of New Haven County, "the committee passed a vote making an addition of four more members from this resulty agreeable to a recommendation (pewarded to the aword rountee." Says Brenoon, "In 1787 a lew cities had been recently incorporated, but what may be called a private charter, did not, I benove exist in the State. Very naturally the legislature was rehirtant to change its policy. More than this, there were provisions in the rejected full calculated to excite the pealoney of a suspicious people." The question during these years took precedence. in popular discussions of public affairs. It was the general verdict of the people that to great a charter conferring upon a small number of citizens such exclusive privileges as were asked for, and constituting what was properly termed a close corporation for the administration of affairs of the greatest importance to the entire community, was regarded as a procedent too dangerous to be established - and to the lasting honor of the General Assembly, the peayer of the petitioners was again refused. - Approvingly, or adversely, the people of the State systemal affently their proceeds mgs. Yale College partook of the excitement; on the 15th of July, 1788, the Sources discussed the question, "Whether it be safe to grant the proposed charter of the Connecticut Medical Society," and on the 6th of January following, the question, Whether the institution of motival societies he meful." We may smile now at some of these items of our medical history, but we must not forget that, while in a few instances there was professional opportion on the ground of toe limited a distribution of " life perrages" to satisfy the finititious, the opposition of the posple and of their representatives was deeply rected in their natural denocratic dislike of granting exclusive privileges to prerileged classes. In 1791, the New Haven County Medical Society was duly management In 1792 the Connecticut Medical Society was incorporated with substantially the same chartored rights as it has at present, namely, - the sovereignty of the Society is exclasively. myested in "the President and Fellows,"

"By a charge in our charter of 1870, our organization was malerially improved in some important particulars, and especially in establishing the standing "Committee on Matters of Professional Interest," and by some other changes."

I shall offer no upology for having drawn to largely upon Dr. Broassa's paper for these interesting distortical data, in view of the great importance of an adequate understanding of the principles impolved in any discussion of the present needs of our State Society, and particularly in view of the fact that the historical paper referred to is not accessible to a large number of recenture added within the list down years.

In order that we may from an approvative judgment of the

influences of the lines upon the condition and peogrem of professtonal spinion in our own and the neighboring State, and as throwing a strong light or our own anomalous and unbenable potion, let me again refer to the peculiar circumstances in the midst of which the Massachusetts Medical Society was incorporated. Like every other interest in the colonies during the revolutionary period, the medical profession was in a chaotic state, and in the absence of medical colleges, there were in all the country no practicable agencies by which it could be redeemed and elevated, except by those originating within coeff. It has been stated that among the three thousand medical practitioners in the country at that time, it was estimated that only hur hundred held the degree. of M.D., and murrly all of these were obtained as fereign universibes. The society was chartered on the first of November, 1781, only a few days after the battle of Yorktown, and the surrender of Cornwallia, on the 19th of October. Almost any petimon for the incorporation of a medical society, praying so this one did for exclusive powers of control in every thing pertaining to the profession of medicine, presented to any logislature, overflowing as this one doubtless was, with wild excitement and patriotic rejeicings over a glorious victory of such critical importance to the country, would be even now, probably, readily granted. The society was intended, and was authorized to act, in the absence of any medical college in that State, or in New England as an examming and Leensing body for all persons offering to practice medicine within its 5cotion. It consisted of thirty-one Fedlows. with a maximum limit of severity, to be increased beyond the minimum limit by ofeetion.

To this body was committed the entire control of medical education and medical practice. It published a formulable list of over eighty volumes, which candidates for license must show by evdence that they had read — with a catalogue of a hundred and lifty more, which students were carnestly advised to read. It was at the same time a Medical Society, a Medical College, and as Academy of Medicans.

It was upon this model that our original charter was framed; indeed it was a copy, exclution of filtration, of this remarkable enactment, and we can see in it the germs of the bles of government by elected Fellows, and the power to license men to practice medicine, which still linger smoong us, in spite of the elitomating forces of evolution. The sime of the profession in both these States, were inwever, highly to be commended - their purposes were identical - they each desired to personve the purity of the profession by excluding from it all persons and practices likely to bring upon it dishonor. The way before them was full of difficulties of unknown magnitude, but their zeed in the work of laying broad and deep foundations for the professional structures they were about to build was unbounded. Their knowledge of issuesn nature seems to have been small, but in their knowledge of ecsentific medicine, as then understood, they maked with the foremost. The enigencies of the occasion were great and imperative, but they were responded to in the fullness of their wisdom and to the extent of their powers. Yet the dogmes of an old civilization still held their minds in bondage; for although just emerging from a long and bloody war, waged to seeme their own personal and political liberty, they were unable to understand that sorfect freedom and equality of rights are just as essential in the sultimetion of the medical sciences, as they are to the growth and development of a political state.

In tracing the remarkable parallelisms or noticeable in the histories of our own society, and that of Massachusetts, I am indebted to the kindness of several friends and correspondents in that State, for the loan of valuable documents and full replies to requests for information; thus enabling me to present an inbelligible view of the two societies in comparison - and particularly of the workings of their system, and the reasons which, after a few years' trial led to its shandonment. From the able and exceed. mgly instructive communial discourse of J. Collins Warren, M.D., of Boston, before the Massachusetts Society in 1891, I am able to quote facts and traditions which explain the causes which led to this great change in its organization. Says Dr. Warren, " According to tradition the workings of this close corporation were not entirely satisfactory to the mass of the perfession in the State. A considerable number of prominent medical men having some into the State, and increasing every year, strensom opposition was made against the government of the many by the few; there was unwillingness to acknowledge the supremucy of the Society, without enjoying professional equality with the Fellows - such distinctions not being in accordance with the spirit of the institutions of the some republic. Accordingly, in lattl, the number of profeederal men in the State having greatly increased, and extensive correspondence laring been instituted among its members, in order to device the best means of increasing its medalness, a radical change was made in the constitution of the society, and thereafter any location of three years' practice, was eligible for an election on a basis of entire equality with all other members. He became a · follow of the Society."

During the next generation the Incibites for instruction in medical colleges, particularly in New England, had been largely increased, and the profession of Massachusetts received its full share of the more highly educated graduates. Of source agitation severa this last remnant of exclusiveness was not allowed to comeor diminist - has was carned on with increased energy, until inally, after malengoing a great number of transformations, that proneer Soriety through the indefatigable perseverance of a few wise and brave men whom I might name, fought itself clear of all impediments, and in 1852, its charter was so amended that every harrier to the full enjoyment of the rights of freedom and equality by its members was removed; and from that day to the present, any man of good character, being a graduate of a duly authorized medical college, and practicing to exclusive system of medicine, has been an application eligible for election as a Fellow of the Society, on a basis of equality. The society then became for the first time in its history, and still remains, open - and free or the frost, while our own State Society remains the sole representative in New England, of a permicious system based upon the crade and erroneous bless of a rentary ago.

The striking fact should not be forgothen that our own Somety is the only one in New England that is governed by a board of Fellows, and that the Society of Massachusetts is the only other one that ever was so organized in these States.

In what has been and respecting the working principles on which that model society was organized, and the almost universal disastislaction that was felt with the results of their system, we may recognize almost a fee-civile of our own organization and of what is now actually taking place within it, but with some very important differences; the most remarkable of which are seen in the modes of electing the governing bodies. While our governing body is elected annually, its members are actually chosen by comparatively a more handful of members of the county acceptance.

few being in the habit of attending those meetings. They are commonly shows, too, with little regard to their fitness for the very important duties imposed upon them; and being as a body necessarily without permanence it can have butle knowledge of our history - still fess familiarity with the reeds of the profession - and I must add, that in many cases, they manifest so much indifference to their duties, that intelligent regislation is impossible, and I have sometimes heard the question saked, "Why do they attend the concontinu at all?"

In the early years for various ressons, the attendance was very meagre, and could hardly be otherwise; and so small was it in 1798, that the quorum, which was twenty, had to be reduced to twelve-the society then numbering over 200 members. At the persent day, when we easily travel in a few hours from one origene of the State to the other, the attendance is no better. It is not uncommon even now, to one populous and near-by countiesrepresented (as some are pleased to style the functions of the Feb. lows) by only a single one until late in the afternoon; and protectly from one large county not a single Fellow was present. I can montion instances in which the convention consisted of twenty. Pellows, in others of fifteen, fronteen, and in one case there was not a quorum, - only slaven being present, yet the business of logplation went on. In these instances, who of the society was being represented? It is a common fact which I have often beard consisted on that ever when the convention may be considered as full, the business of the governing body is very often transacted by hur, five, or six persons, while a larger number of members than all the Fellows there present, stand outside the rail, curious speciators of the so-called legislation going on within it.

Not unfrequently, and recently, the society has been placed by this sort of legislation in positions of great embarms ment before the pullie, from the mortifying consequences of which there was no escape. At the same period of comparison, down to 1843 and later, in the Massachusetts Society, says a correspondent, "The governing body. of Fellowawas always carefully selected by themselves from enougthose best known in the profession as best qualified for the high trust committed to them; they were men of at least ten your provide, whose funces for the office was generally conceded," Another correspondent says, "Notwithstanding the high professional postion of the Pollows, there was general disantisfaction with the

exclusiveness of the system. There was a loss of interest in the district society meetings and diminishing attendance at the annual meetings." Says another, "The matter of a closs corporation was compelled to give way before the general march of isless, which has made us in theory all semocrats."

These quotations are good silustrations of the fact that the buttom mind everywhere, under similar conditions, works in parallel lines, and arrives at co.incident conclusions. The same state of descriptaction with our system, and the same process of uphoreal exist among us with far greater came. No one will done that in the beginning some avateur of representation by Feb. lows ur otherwise, was necessary, for without it no meetings outil then have been held. The perfession was poor, the facilities for travel were meagre and fatiguing, and very few, only those living near the places of meeting, could afford to spead a week and more. making tedious journeys on horseback, leaving their patients exposed to the arts of unscrapalous competitors, and spending their mener;-- for what? An examination of the regrint of our transactions for the first thirty years will show how small was the peward, and how poor the inflacements to any except to the very few wise, corrageous and far-soong minds whose prophetic vision emitted them to forecast the fature, and patiently labor, while they waited for results they were meter to witness. "Men dis, but institutions live," is a truem often quoted without remonitoring that institutions, like men may still five, and yet be not alive; they may be regularly enumerated as among the factors of a comminity, and yet be intellectually dead beyond recovery.

There are so many existing causes for the present lack of interest in the affairs of the society, that the time would not suffee to discuss them all, nor is it secessary before this audience, every one of whom is perfectly familiar with the estantion. I should not fixed willing to allude to them were it not for the fact that, in the come of an extended correspondence with prominent members in various portions of the State, I find a remarkable agreement of opinions among them as to the causes for the steelily diminishing interest in the annual meetings as well as is strictly perfectional work. Almost without an exception, pointed allower is unaforted the increase of suched policies, and to the rate with which combiactions are made and made for personal ands, but for the suprimued control of the organisation by compensing agencies, such as are

best known outside of eccentific circles, and to their unfriendly influence upon what should be the highest aim of the Society. From more than one quarter I am informed that respectable practimonous are, as a consequence, deterred from seeking admission to the Society - and what is of far more serious emport. I have been discretly told, of prominent and valuable members whom we cannot affeed to loss, who are complering the question of withdrawal. I have personal knowledge of good men outside who refuse to you us, of one who has withdrawn - and of a large num. her who refuse for these reasons to attend the meetings at all.

It is not a pleasant duty to direct the attention of the society to alleged evils, which, if they really do exist, cannot full to result in great disaster. If it is true that, he every county there is, or has been at times, what has been termed ring inflaence, political combinations, "bossism," cliques (all these being equivalent terms used to define the agencies and forces utilized to develop results not contemplated by the law, and which are entirely foreign to the logitimate work of a medical society), is it not important that the fact should be recognized, and the exiladuly considered? If it is true, as is spenly declared by many, that those agencies control m many cases the election of Fellows, and have other controlled the election of officers - if it is true that under our system such manipulation is not only possible but is of frequent occurrence, and with a widening co-operation within narrow limits, directs the policy of our society to-lay, what must be the prognosis of its furnes S

This is an oril that has always been recognized as inseparable from our system, under which the mass is governed by a more handful of men. It may be purhaps, not improper to state in erificace of the correctness of this view, if any were needed, that in all the correspondence I have had with our norn members, this is the objection must constantly made to the continuance of our powent system.

Every member who has regularly attended our meetings for a series of years, and has studied the society's history, knows that what I have said is within the bounds of truth, and neight be considerably enlarged. What other remon than a most skillfully managed and widely extended ring influence can be offered in explanation of the significant historical fact mentioned by Bromon, that from the year 1801 until the year 1856, a period of

filty-five years, New Haves County was not asked to Juraish the society with a president? Whether this policy was or was not unsed on the degrin the manger principle, I am not prepared to affirm; but of the fact we cannot doubt, not that it was the work. of an organized ring. And yet, there are persons who declare their dishelief in the existence of ring-influence, anywhere, now or formerly. It would not be difficult to indicate the period of its birth, and the progress of its growth. I see before me gentlemen. who have had personal experience of its silent but potential influence for evil. I have already said, it has existed from the very foundation of the society - it exists new - and from the nature of our organization, it will continue to solut, as long as that endures. I only mention these very disagreeable facts became no individual is chargeable with responsibility for them; and because they account in large measure for the growing indifference of misubers to matbers of the most vital importance to the welfare of the society, as shown by their continued and declared absorce from all its meetings, and became it is generally believed that a considerable number of physicians in the State, decline for some or all of these reasons, to become members of it; and, meretwer, because there comes from various sections of the State, the suggestion of the need of a new society, organized on better principles, and administered in a different spirit from that which new controls its I am opposed to such a revolutionary step as thus, belloring as I do that it is possible, and far better, to remodel the scriety on the basis of the proposed " New Charter," and such changes in the by laws as would thus be predered expedient and BEOGRAPH.

We are now in the same condition as were our neighbors in 1803, before they achieved their freedom frame the dominion of an oligarchy. Indeed our situation is far worse than theirs, for while they endured the yello in its full freez for only (wenty-twoyears, we have for a full century labored under much granter subtransments, with a duly lessening power of securing our freetom from the ever-growing burden.

Before our neighbors were set fully free by the final act of emancipation in 1809, not only were the annual meetings of the somety very generally ignored, but the district society meetings attracted little attention and were of little use. But when the society became open and free every anuaber rejoining in the

presented of Pellowship, on a hasts of entire equality of rights and privileges with every other member, the status and relations of the whole profession were totally changed.

In a ference and district, etterce and solution, gave way to miveral for and gladuese, and the amovesary seconing of this great and achie somety, became the red-letter day of the professton in Massachusetts, and is now the Mercu up to which more than half of its 1,500 members travel every year, to listen to bramed discourses, renew old friendships, exchange congrutulations, and dine in harmony together.

A friend writes to use, "There has never been in the recollections of the oldest members, such a degree of professional harmony smong us as of late years." Such are some of the natural and logical results in professional development, under the benign and stimulating influences of freedom and equality. In it too late for us to profe by such an illustrious example?

Is there any obstacle in the way of a higher and more profitable enitiration of medical science among us accepting the wretched permeant that remains of our old sharper of 3784, the need of which, if it ever existed, the society has long ago colgrown? Are gentlemen willing to acknowledge themselves satisfied with the little that filled the professional demands of the framers of that charter, or of the one of 1792? Are we ready to confess that we have no higher ambition than to Yorp conselves within the deeply-worn ruts of antiquity ?

Will any pentleman admit that an organization which fulfilled all the demands of the profession a century ago, is adequate to neet our necessities in the closing days of the ninetern's contant? Do we stand in the feeb prints of our accessors of four generations back? Will saw member offer a resson why this society should not be stade as free and open as those of other New England States 7

I am aware that it is may to object to anything. It is exceedingly may to make objections in private which no one would be able to defend in public. I am sold that the idea has been inductrously circulated (and I quote from the latter of an ex-president). "That, should the society be made free, and every member a Follow, it would be easy for the members in Bartford or New Haven counties if they weshed, to pass any particular measure over the beads of the country members, who would not be likely

to turn out; and so Hartford and New Haven might combine and control the choice of the society."

Is that an argument, and can it be defended y

When has it ever been known that Hartford and New Haven have combined to control the society? Take the history of all these anadred years - did any such thing occur previous to 1816, when for two generations of men, New Haven had been defined the honor of a president? I know that since then nothing of the hand has occurred. If such political trickery were ever to be attempted, it could only racceed under our present system. There who fear that is a state of perfect freedom, every man being a Fellow, and able to represent binuelt, political combinations against the rights of any would be more easily formed than now, piner a much lower estimate than I do, upon the professional bonor of the country physicians; and I am sure that such an objection cannot be seriously made or sustained, by anybody.

I firmly believe, that on a basis of equality, it would be proposelble for members to neglect the annual meetings as they have done hatterio. Every man would leed us perlaps never before, that he had a vital interest at stake - and a strong personal altraction to the meetings, which he would have no desire to resist. He could not result it! From another ex-president who has no superior among us as a man of sound, calm judgment, a man of wide professional and general culture, I have received this opinion be says. The facility of traveling by railroad is now so great, that it is much better to amend the charter so that each secutor shall stand as the equal of any other member."

Let us strike for an annual mass meeting of the society; throwing the responsibility of attending it, to not, on the profession of the State-this will appeal powerfully to the higher professional instincts and pride of every man."

Another ex-president writes me: "I have never been able to see any good reason why the administration of the society's affairs should be entrusted to some forty of its members, many of whom are men of small experience in such matters, and some are tooyoung in practice to be of any service to the society in this relation." . He anda: "I believe that every member of the Connecticut Medical Society should have the same powers and pryrileges as to speaking and voting in its meetings, that any other member has, and I have no doubt, if the better part of the

members will mote in giving their attention to this subject, the mecounty changes can be made."

Another ex-president writes thus: "I believe," he says, "that in all our medical societies, whether town county. State or national, physicians should meet upon an equal footing, with equal privileges; otherwise, our somety meetings are hat clabs, with metted guests who have only the worsheful privilege of eiting mute, and watching the actors as they play. There may be some good reasons for this 'House of Leeds' - the Fellows, that I do not comprehend, but from my present standpoint of information, I heartily conrur with the views you have expressed."

From two other ex-presidents I have received similar opinions, in each instance unsolicited, and accompanied by statements of facts of their own knowledge, on which their crimous were based. They early probest in strong terms against a longer toleration of a system of administration so prolific as ours of every imaginable professional evil, and without a redressing feature. It must I am sure, be apparent to every reflecting mind, that these opinions are correct; and coming as they do from representative men who have carefully considered the subject they are entitled to great weight. From what I have heard there can be little doubt that a majority at least of our ex-presidents would concur in those opinions if they were inquired of.

It should not be forgotten that by natural and associated right. the sovereignty of the society inheres wholly and equally in its members. But in the obsolete fashion of that early time, when the lines were distinctly drawn between the few who gave direction to public opinion, and the mass who followed them, the severeignty of the individual was unwisely surrendered to a small body of elected Fellows, and over since, "the President and Fellows" have continued to exercise those severtiga powers which the society should never have relinquished, but may at any time reclaim.

The adoption of the proposed new charter new order consideration would be an easy method of reclaiming these long shandoned powers, and of rehabilitating the members in their secondge rights; thus leaving the society free to reorganize and simplify as antiquated machinery, is accordance with the more enlightened views of the present day as to what the needs of the profession require. To show who dread and oppose my change because it is a change; and prefer to they say, to " let well enough alone," and deprecate the disturbance of concraind dust, it is, I fear, unless to offer a word of argument. But those who advecate as an artiquate remedy for those great erils, the extension of representation by increasing the number of Follows "persons"; and those who would make Follows of all ex-presidents, thus creating a "life precage," cannot fail to see that by either of these methods the erils would be increased and rendered more difficult of removal. In the proposed new charter, however, they can see a solution of all our troubles.

Within such a body where all its messhers are engaged, each for himself, in the study of medical science, in the practice of which he is of recessity his own exponent—his own representative before the public - a there my sensible reason why every member should not represent himself in the alministration of the society's affaire? We shall presently see that under this new charter, and the by laws that will naturally be framed under it, all the individual rights of assesbore, as well as those of the county meetings, will he guided at every point suite perfectly than they have ever yet been. While at the same time, as in all medical socution organized. on a busis of equality, of which I have any knowledge, such as the other State societies in New England, and the newly organized New York State Medical Association, contaming more than half the members of the State society from which it secoded.* theps will be no room for outside issues of any description; so possibility of combinations of the stronger against the weakeror of one section or individual against another. If such objectionable features - such deformities - have ever defaced our eacht. cheen, or weakened our influence for good; they could exact no longer became every indocement to their firmation will have been retroyed.

Much more might be said in advocacy of a reorganization of the society on the basis of the proposed new charter. But not to weary you, let us suppose that the society has decided by a majority sate (to be east in any manner which will secure a balls) from every member) that it will colederate the first contemnal

If and no independent model in a metabolic copposition the mane of the economics of the state to the first term of the state of the state of the first term of the first term of the state of the end of the end of the end of the state of the process of a process of appearance of the first of the first possible of the state of the end of the

anniversary of its foundation by insugurating this "now departure" in its methods.

The soriety has been summoned, we will suppose, to assemble is mass second. The President anounces the result of the balloting. The convention is ready now to consider new business lounght before it. I would propose,

First. The election upon nomination and by Sallot, of a Persident, a Vice Provident, a Reconfing Secretary, a Corresponding Secretary, and a Treasurer, each to serve for one year, or until a stancomor is elected.

Sound Let the members then present from each county, electfrom among their mombers (present or about) two, making in all testers, to serve as an Executive Commit, to whom shall be added, the President, or official or some Fellow named by him, as a "Membee at large." One-half of the elected members of the council to be elected for one year, and the other half for two years (to be decided by lot) or by nomination at this first meeting. In every year after the first year, eight members of council will go out of office, and the variancies be filled by new elections, so that each member will serve for two years - while the "Member at large" will serve only one year, and go out of office with the President who appointed him. We should thus have an executive body of servators, representing all the county interests, composed of the best qualified members who could be selected, subject, or not, to re-slection, after an interval of one term. If the President beadded az epicio to the council, he will be its presiding officer; and the corresponding secretary shall act as its secretary, and keep and preserve records of all its business. The council to held two meetings in each year, the last of which to be any month provious to the annual meeting of the society. The duties of the executive cornell to be the nomination of all officers, and the members of the standing committees, and delegates of the society-(all the other committees to be appointed by the president) and in general to prepare the order of business of the annual meetings-toexercise a watchful care for the general wellars; and to perform any other executive duties referred to it by vote of the excisty, and duly to make report thereof to the society.

Immediately after the meeting of council just previous to the summed meeting of the society, the council would transmit to each member of the society, the commutions it will present at that

meeting for president, vice-president, recording secretary, corresponding secretary, and treasurer, and members of the standing committees, together with a programme of the exercises of the meeting, hierary and otherwise, names of existing officials, awaynia etc., in the usual form. The executive coincil should be paid an annual sum equal at least to their necessary expenses. I think it will at once be seen that the daties of the Council will he of controlling importance, and of the greatest benefit to the society in various ways. It will be of necessity a deliterative body, as well as an executive force; and in time will come in isregarded also as a co-operative consultant in affairs " od (session" If, as it is hoped, the members of council should be selected because of their peculiar fitness for such duties, by reason of general professional intelligence, and especial interest in all that concerns the welfare of the society, they will naturally come into very attimate relations with the most artive minds in the county meetings of the society; and will become almost of necessity, radiating century of professional enthusiasm and life.

The members of council would be enabled, knowing as they undoubtedly would, every case of special interest in their several counties, to being to the aid of the county reporters a powerful influence is securing for the "Committee on matters of professional interest" written reports of all the instructive cases occurring in the State: and if, perchapos, there should be no other tangible, permanent good over realized as the outcome the first fruits, so to speak of this endeavor to remodel our organization. than that of encouraging and establishing for every young man the habit of making written reports of his cases, the attainment of to great a good is worthy of our best considered effects.

This is the best known means of forming habits of systematic study and correct thinking; and in conjunction with the right of universal suffrage, cannot fail to secure for in in the end and full completeness of our organization, all the advantages which repliessional association is easiable of affording.

It is important for us to remember, that while the annual need. tags of the society are indispensable, and when properly conducted. have a powerful influence for good pseultar to themselves, it to its the county meetings of the excisty that each individual west cultivale his own powers, and perform for houself the later which is to carry forward to completion his own personal professional growth.

Here it is, if supwhere, that we are able to approach that development of individuality which is such an essential element of professional success, and by means of which so many are distinguished above their follows.

The most sanguine advocate of the right of every member to the enjoyment of the privileges of policial p on a basis of perject opacity, could not be so dioginal and unreasonable as to "impose that the professional qualities of any man can be stanged by legislative ensistment; "or that a society which for a handred years has suffered repression and paralysis through absorption of its inherent powers of sovereignty, can at once take position by the sole of sister ascission, which, for almost the sime length of time, have been developing under the more favorable influences of freedom and equality.

Let us remember, gentlemen, in our efforts to determine what charges in our organic law are required by the exigencies of the bour, that we are working now, not for too lay only, but for the next century. Petre variations of methods that corry not with them the recognition of great principles brought to light through the demands of a progressive civilization, sharpe nothing. Frequest appeals to the legislature should not be mutaken as oridoness of progress; yet every one must especide that is each change thus far, particularly in the most recent one, that of 1810 good progreeches been made. I will say, however, of this charter, as its committee said of the work of all their producesors, "that so far as it goes it is very well; but it does not go far enough." Yet they ventured as far as it seemed probable at that time, the nesety was prepared to follow. Supply it cannot be accessary to conind any reader of this paper that its sole aim is to aid in placing the society upon a higher plane than it has ever yet occurred; and to invite special attention to the primary step of several it must make before it can assume the position which its distinguished purcutage, its century of existence, and its own self-respect demand that it should take. It must be apparent to every intelligent reader that the tendency of this movement for a reorganization of the society under a new charter is not toward controllection, har second the may symmits condition. Its object is to increase greatly the general interest in the society's prosperity by formally oliveating each of its recenters to the dignity of fellowship, and thus restoring to every one the high constitutional powers belonging to him by hight, but litherto correlated by a small body, without per-timeness or special qualifications for the trust. There are already possible indications that the society may soon be called upon to you, through his follows, for a change in the by-law concerning its places of meeting. In my judgment, a vote to restrict the place of meeting to any single locality would be equivalent to a long strade transmit controllingues, and find to the very life of the society. In so small and compact a State as Connectical, with its supersor railroad facilities, there can be urged no valid reason for such a vote. On the contrary, it would be easy to demonstrate that it is of the statest importance for the society set to restrict its liberty to hold its meetings wherever it may shows, in any of the other of the State.

The most striking and commanding features of the proposed new charter are the susplicity, and the freedom it confers upon every member of the society to do, through its by-laws, in all time to come, whatever its highest interests may demand. Under the simple provisions of this charter, or of one framed in express recognition of the great fact that the sovereignty of the individual man is inalignable, and that the power to deprive him of it comes nowhere, not even in himself, under such an accepted declaration of rights as our working charter there can be no room for discord, none for political combinations, none for personal ambition, except for superior excellence in professional work.

There will be recentually for perfect unity of purpose, mutual respect, harmony, and heatherly love.

ESSAY.

THE INTERNAL USE OF GERMICIDES.

Br W. W. KNOOR, M.D. HASTROOP.

Ever since the introduction of the germ theory, the question of the carability of the infectious diseases by the internal administration of germicides has attracted constant attention. Whether one accepts the germ theory or not be is still interested in this question, as it is cretain that the poless of an infectious disease, whether a germ or something obse can be destroyed outside of the body by certain substances known in disinfectants or germicides. With this fact in view nothing is more natural than to question whether we cannot give some of these substances internally in sufficient amount to dustroy the posson when in the body, and in this way modify or cut short the course of the disease. Theoretically the matter is simple. All that is necessary to find some automatics that will be a sure potent to the bacteria of disease in an amount that can be taken up by the circulation and come in contact with all the timines of the body without injurious effects.

This subject is one that has attracted the attention of such one intal investigators as Burdon Sanderson Klein, and Koch. Bardon Sanderson makes the statement that "In looking to chemical knowledge for suggestions in our context with the specific agents of disease we are unquestionably applying to the right source for sal," (Photology, Jan. '83, p. 39,) and even so conservative a man as Plint St., in an address delivered at the first meeting of the New York State Medical Association, after inferring to the subject and speaking of the discoveries that may be expected, may "Never before could the medicine of the future have appeared more tright and successing than at the present outlook."

(Med. Nam. Nov. 29, 1884.) In would be easy but it is not necessarily

essary for me to make numerous quotations from our medical journals to slow the intensit which the proposition of such a simple plan of treatment excites

I do not propose to consider the question of the cumbility of the infectious diseases by any drug, but whether we have any reason to believe that we can core these by directly destroying in the body the bacteria reasing these diseases. It is important to remember that although clinical experience is the only two criterion of the therapentic value of a drug, the mere fact that a drug is of bearfit in an infectious disease is by itself no proof of its germicidal section. If any one drug was a specific for all the infectious diseases, then we might reasonably infer that it noted directly upon the germs thenselves. It is evident then that we must look to experimental data for our information in discussing this species.

Comparatively few of the pathogenic bacteria have been discovered and inclated so that the effect of drugs upon them can be studied, but upon vaccine virus, the bacillus anthracis, bacillus internaloris, the micrococcus of pus and septiesents, and the bacteria of patrefaction, many experiments have been made to determine the least amount of the gerministe that will destroy them or prevent their development. As their growth is prevented by a considerably smaller amount than is required to kill them, this smaller amount is the least that any one rould expect to influence their growth in the body.

As to the amount of the material in the body which it would be recessary to bring under the influence of the germicide, it is generally assumed by those who advocate this method of treatment, that if the amount of the germicide in the blood is russed to the required proportion, that is all that is necessary. As Dalton gives eighteen pounds as the amount of blood in a healthy man weighing. It is pounds, we will in our calculations take that as the amount of nonerial calling for disinfection. For information as to the lumile-mass of germicides takes in the proposed amount, we must consult our elinical knowledge of the toxic action of these drugs.

A superficial examination only is necessary to show that under us circumstances can certain classes of disinfectants be used as internal germicules. Experiments have shown that the acids are among the best disinfectants and that comparatively a small proportion prevents the development of the pathogenic bacteria, but an time bisset is alkalian and must remain so, we cannot use the acids as internal gennicides. As to the gaseous disinfectants, chlorine and sulphurous acid, it is plain that since it is necessary to summate the amosphere with them to kill limiteria, they could in no way be used as internal germicides. Neather are the chlorine compounds available as they depend for their value upon the free chlorine which they give off.

When it was first learned that carrielle and was a potent poison to law forms of vegetative life, and that in this way it would pre-Vent putrefiction and fermentation, it came into use as an antiseptie in surgery. Then there being so many analogies between bermentation and the processes of disease, it was thought that the same drug which when used externally prevented septiments might be used internally to cure that or similar discuss, and from that time to the present, carbollo arid has been proposed as a remedy for about all the infectious diseases. The most recent is the method of Dr. Derlat, who proposes to care all infectious diseases by its hypodermic use. It seems to be un invariable rule that the first investigators of a new drug, even when it is a drug of genuine value, got more favorable results from their experiments, whether clinical or laboratory, than later and less extlusinatic experimenters. It was so with partolic acid. Some of the earlier estimates of the amount of this drug necessary to destroy bacteria, are seen in the light of more recent experiments to have been far from the trath, For example, Magnin or his work on "Ractoria," first published in 1878, siyes: "The experiments of Manassein have demonstrated that Je of 1 ≤ of carbelle acid is sufficient to prevent the development. of all living beings." Later experiments have shown that such more is necessary. Braidwood and Vacher (Britis Med. Jose, 1876, vol. n, p. 26) experimenting on vaccine virus found that a 2 g as intion of carbolic acid did not certainly destroy the virsa if it was med soon after the application of the germinide. If the same strength of the acid was kept in contact with the virus for seventeen days it was surely-destroyed. Dr. Baxter (Report of Med. Officer of Privy Comcil, 1875, p. 231), found that I < was sufficient to destroy the virus of infective inflammation. Sternberg (Am. Jour. Mod. Science, Apr. 1882, p. 23) found that the microscoccus of pas was destroyed by a solution of the strength of 1-125 and the microscorus of septimenia by a strength of 1-260. Bacterium terms required 1-166. He made other experiments to determine how little would prevent the development of bacteris and found that 1-310 was the weakest effective

solution the result being the same with all the forms of bacteria. It is evident then that a strength of 1-240 is the light that aspenmental data give us any reason to expect base'st from in its internal use, and if we calculate what is required at that proportion to proder our eighteen permits of blood incapable of supporting the growth of bacteria, we find time a little more than half as square would be accessive. As this has caused death in two cases and the external use of a solution containing half an otner, in one case (H. C. Wood, Theographics, p. 80), it mostle me argument to show the impossibility of giving it is an amount sufficient to keep up a proportion of 1-500 in the blood, and this being the smallest amount that any one could expect to influence in the best the development. of the bacteria of any missue, the futility of giving drop down of carbolic acid to control sopticaestia, yellow fever, etc., is self-evideat. The super of carbolic soid and other germiodes have been tood by inhalation in phthisis, and, as reported, with good results. If we cannot introduce sufficient of the seid into the body to set us a disinfectant, it is plain that the super could have no generated action on the bacillus tuberculosis his the tissues of the lungs. It is probable that the benefit obtained was due to the local offect of the rarbolic arid on the broachial micous membrane in lessoning the bronchitis

The use of coding undoubtedly an efficient disinfectant, has been proposed as an internal germonde, especially in typhoid fever. (British Med. Jour., April 9, 1881). The original treatment proposed by Rothe called for the administration of two to four minine of carbolic arid, and two minims of tinepure of iodine hourly, till some effect is produced on the pulse or temperature, and then every two hours natal the temperature is normal. This was to be continued for two or three works, and as might be expected toxic symptoms generally occurred. The same treatment was mounmended for phthois diarrhous dysentery, and diphthens. It was claimed that the best of wants were obtained, due, it was asserted, to the germiodal action of the todine. In regard to the amount of indice necessary to act as a germicide, Sternberg Journ that 1-500 was sufficient to kill bectoms, and that a proportion of 1-4000 was sufficient to present their development. The difference been a so much greater than in the case of Alber-disinfectants that it would look as if the latter figures were too small but if we take the proportion as 1-4600, we find that it would take thirty-one grains of

free ioding to steriling our nighteen pounds of blood: H. C. Wood gives an m, of the Tr. Iodinii Co., se the maximum dom containing I of a grain of indice. Even if this due could be taken every two hours, it would take four days to imposite thirty. one grains into the body, and as iodite is equitted with great rupolity, there does not seem to be the slightest reason to suppose that a sufficient amount could be given to keep thirty-one grains in the blood continuously. Certainly two minims of tr. iodine given every two hours would not do it, and even that does produced texic symptoms. Another obstacle in the way of me use as a genmicrife is the fact, that it so endly unites with have that it probally does not exist in the blood in a free state at all. One of its salts, tedrile of potassium, probably became of its power in one germ disease, syphilis, has been supposed to be a germinise, and na use to proumones is recommended by Schwartz on this ground, (Abst. dis. Jour, Med. Sciences, Oct., 1884). He proposes to kill the protonouse gone by the administration of vix gesins every ten hours. He states that given at the beginning of the disease the results were immediate and perfect. The only experiments with solide of potassium that I have seen recorded are those of Sternborn, who found that an & per cent, solution of this salt did not prevent the development of the microoccus of generalest pas, the genecoccus. So far as this experiment goes, then, it shows that the lodide bas no germiniful action at all, certainly not in any amount that could be taken internally.

The sulphites and hyposulphites at one time had some reputation in the treatment of certain infectious diseases, and it was claimed that the good results were due to their direct action on the poisons of disease. The reason of their failure to maintain their reputation as germicides is shalen by the results of experiments. Sternberg found that an 8s solution of the hyposorphite would not prevent the development of factors (other four Med-Science, April, 1883), and in his chiters of Meyers, be quotes Arloing as saying that a 50g solution does not destroy the virus of symptomatic antheses, and Decignil as saying that it is usees as a germicide. The same results were obtained with the sulphine of notion.

Saloylic and presented the growth of harters in a solution of 1-200, a proportion we could not hope to attack by its internal administration, and even if we could, it probably unites in the holy with some base to form a salt which is less possesses to bacteria.

Bromine is a germicule, and has been used to some extent in diphtheria, but as we could not expect it to exist in the blood in a free state, we carried expect it to not as a germicule.

Alcohol from its well-known power as an antisegtic and from its well-known beneficial effects in infectious diseases, effects which even to be more than a more stimulant action on the heart, and from the freedom with which it can be administered might be expected to get as a germicide in these diseases if any drug could, and it has been asserted that such was the case. But every microecopiat has observed the presence of bacteria in finds containing a large proportion of alcohol, and Sternberg found that a 10g solution was the weakest that would prevent their development. One of the bacteria he experimented with was the micrococcus of sepsticzenia, a disease which we generally consider calls for the free use of alcohol. The development of this bacterium was not preyented by the presence of a 54 solution, and as even this propertion would call for the presence in the blood of thirteen ounces of alcohol, it is plain that it can have no germicidal action in any non-toxic amount. Another remedy which has a universal regulartion in certain infectious discusses, especially diphtheria and septicaemia, is the tiscture of iron. Sternberg found that a proportion ed 4g of this preparation was required to kill the micrococcus of pus and septicauria and that even this strongth did not provent development of facterium terms. We can use this preparation freely without danger, but evidently not to an extent that would enable it to art as a germicide. Sternlerg also experimented with other mintances which might be expected to act as germicides, but make of their had any germicidal action in a proportion approach. ing an amount that would for that reason make them of medicinal value. Among them were, chloral chloride of zinc, sulphate of rine, ablorate of potassism, amenic, suphiste of mon, borner seid, borns, etc.

Permangunate of potassium, under certain circumstances, as a most efficient discriptions, but if the fracteria are mingled with organic matter, as they are under all practical circumstances, the permangunate is decomposed immediately, and he this reason it is of bitle practical value either as an internal or external disorderant.

Throng passed over, in a very superficial way, most of those dis-

infectants whose use as internal permicules has been proposed, we have left for discussion that disinfectant whose medicinal use us a germitide has been the most extensive, and has attracted the most I refer to the highlands of mercury. Undoubtedly it is the most potent permands not brought into use, and like all the rest is a powerful points to all living things, from man down to a barterium. Since coming into uso as an antiscotic in surgery, itsinternal use as a germicide has been strongly recommended in diplothera, and the journals have contained many spinious favorable to its use. In this country its use was first introduced by Dr. G. A. Linn of Pennsylvania, as referred to by Prof. Pepper, in his address on medicine, at the meeting of the American Mediral Association, in 1881. Prof. Pepper-moke favorably of its use, but discassed any extended experience with it. In the Threeport he Greene has January, 1884, an applica appeared, by Th. F. C. Herr of Philadelphia, edvocating its use as diphtharm. He reports ex cases of his own where he gave A grain doses every two tethree hours, to children from allown mouths to three yours of age, and all recovered. He also referred, in a general way, to excess shtained he other physicians with the same method.

De Lian, at the May, 1884, meeting of the American Medical American, read a paper on the specific treatment of diphtheria. He reported no cases, but claimed that it was a specific if given early, and is large done. He gave from p_2 to p_1 of a grain every three hours to a child two or three years old, and from p_2 to p_3 a grain to an adult. (N. P. Med. Jone, May 24, 1884.) To Thatlen of Brooklyn, read a paper on this subject before the Kings Co Medical Somety, which was published in the N. V. Medical Journal April 12, 1884. In this article he reports too cases of hightheria treatest by the brillowide, and all recovered.

There is no itsuite that these cases took bickboride of mercury, and recovered. Whether they took sufficient of the germicide to destroy or prevent the development of the bacteria is another question. Sternberg found that the development of the ceptic mercoccus was prevented by the presence of the bothloride in a proportion of t-attent. This is a more favorable result than he obtained with other bacteria, and more favorable than some other experimentors have possibled. But laking this as sufficient to prevent the development of all bacteria, we find that to sterilize the aghiteen

pounds of blood of our mandard man, there would be required three grains of the inclineds.

As Stemberg and Thallon both give the amount required as three and a helf grains no one can claim that I have over estimated the amount. Of course this is for adults; in children, the done would be perportionately insalier, according to the weight or ago. In studying these cases, then, it is necessary to note whether they took this amount of the highlaride or a proportionate amount. If they did not reach this low standard, then any claim as to the germandal action of the drug has little basis. In Thallen's second case the weight of the child is given as farty pounds. The amount of the blood would be in a person of this weight, five putsufe toquiring, according to our proportion of 1-40 ths, a little over our gorie, to streikly d. At the rate this chall took the drug, J. grain. ercey three bours, and after the first thirty six hours every hour und a half, if would have taken three and a half days to have introduced into the blood that amount of the germetide, and the record of the case shows that convalencence began in two and a half days. Case first had taken only | gmin when improvement began. Case touth had taken only I grain. The other cases show the same thing. These faces simply show that the classus came to a stand-will before the patients had taken sufficient of the germieide to destroy the germs under the most farterable assumptions.

Dr. Jacobi, in an article word before the New York Academy of Medicine (N. Y. Med. Record, May 24, 1884), reported three cases of digitaliantic errors, "an examples out of many others," to show the efficacy of the highloride treatment. His companious were than the mercapial treatment of diplothera is promiting of good results. and also that 4 grain of the bickloude sould be taken in the twee to four hours by "habies," and as a rule, as administration could be kept up for many lays, if moonstry, without lad effects. The first cans a gord three and a half years old, was given J, grain hourly, till 14 grains had been taken in about thirty hours, when diarrhous come on. The next twenty-four hours only & grain were taken, as the towns were still irritable. The next day the patient was billion. The second case, an official tive mostly and was given Jagrain boarly. The child took 14 grains in a little less than five mays. The third case was a chird two years of age, which, after the operation of trackeolomy, was given the highinists in Jagrain every beer, till the third day, when, in account of irritation of the bowels, it was stopped. About 1) grains were taken in all. Each of these cases probably took sufficient of the histocride to supply the blood with the proportion of \$10.500 provided it was all absorbed and none excreto). As excretion takes puce with a good deal of rapility, to reach the required standard would require still larger stops than these chiefman took. It is worthy of notice that all these cases tast more or less comiting and discriben, and the the sone taking the largest dose in proportion to the age was sick the longest. This case shows one thing, that a child five months old can take nearly § grain of the birthords daily, for several days and recover. Unfinantly we would not give an induct of that age more than \$\frac{1}{2}\$ of the dose for an adult. An adult taking a dose equivalent to that which this milest rook would get ten grains of the highloride daily, a dose that few of us would cope to bego with, and one that I do not believe any adult could take

It is asserted that these large done of thichirklorids can be taken without danger. The minimum poissusous does of this drug is not definitely known Wharson and Stilli quare Toylor as saying that three grains lays caused death in a child, and that ye doubly the fatal dose is about the same as arsenic, two or three grains. As in case of other possens, large doors have been taken without fatal effect, and as we have seen a child five months old took an amount outer. alent to ben grains daily for an adult for nearly fire days, and recovered. We all have non cases where comparatively small down camed irritation of the stomach or bowels. All three of the cases related by Dr. Jacobi suffered more or less from vomiting or durrhen. In order to test the tolerance of the highlaride, Dr. A. H. Smith of New York (Med. Revol, Sept. 24, 1884), admiristored to closen persons does ranging from 1/4 to 1/2 gr. hearly or every pau bours, taken only during the day time. Six of the eleven in from those to five days developed diarrhon or physlien. Two of the cases which took it is about the same does as the others without irritation, were children. In the cases where disrises occurred, less than two grains were taken in about four days' time. These cases do not seem to show any certain tolorance of the drug in much smaller doses than 90 up as a committee would resider necessary. It is probable that the reason children have taken such large does without constitutional offsets, in the milk being such a large element in their ener, and percently if they are nick,

the secrety is converted take an allocatemate in the alimentary conal, and is less irritating.

Even the external use of a solution of the bioblerade is not without danger. H. C. Wood (Theoryween, p. 175), refers to a case of fatal poissuing in a child store years old, the court of an application of a solution grain to its applied to the head. Recently evidence has been accumulating to show that the freedom with which it has been used in surgery is not without danger. Dr. Geo. L. Peabody of New York (Mod. Boxes), Meh. 14, 1836), reports deven cases of obstinate diarrhou following the surgical use of a solution of bedderide from 1–1900 to 1–2000. In four of the cases the diarrhou cases due to discontinuing the drug. In archiven cases death occurred. An autopsy was made in three of those and "in such of them a very extensive diplotherite inflammation of the large most are found." In most of these cases the bichloride was used as an injection into somes or abscesses:

Dr. Peabody also refers to different articles in the German pournals noting the same fact. He states that Frankel reports fourtion autopose where toute enteritis resulted from the external aim of the bighloride. Schoole and Thom have also written upon this subject, giving cases of potenting and stath from its use. Dr Hudfourt of ≈ Louis reports (Mod. Remo) Med. 21, 1885) that five of his patients became salivated by the use of a 1-2200 notation of highloride as a vaginal injection. In these cases is one-possible to say how much was absorbed, but certainly only a small part of that used.

In connection with the posterous effect of this drug, an impact and point to be considered is the effect upon the kidney. A not uncommon effect of the highlerate is the tritiation of the kidney cassing in chronic possessing albuminaria, and in acute possessing bloods arise, elementaria, and suppression. This point should be considered in connection with its use in dipinhesis, where albuminaria is each a common and ection result in accrete cases. Those was have written on this subject seem to consider psycliam a perfect gauge of the constitutional effect being produced. Pacticularly Traffor, who may then we have in its action on the subject glands a convention clusted indication of the effect being produced, unscrally its destructive action. (N. F., Mot. Jose Apr. 19, 1884.) They all appear to have not tight of the well-known facts that unlimited in not casely produced as calledden, and that in all

persons the lichterals has a much more personneed effect upon the alimentary canal than upon the subvary glands

In fatal techloride possining the preminent symptoms are the parging and collapse with feeble airculation, and it is well worth remembering that the feeble circulation and the albuminum are, as well, presented symptoms of dishthesis, so that if one is giving the blob lockle, and superially if optiming the sing given at the same time to control the bowels, he should be able to continue houself that the failing circulation and the albuminum are due to the disease and not to the remedy. Considering all the facts in the case, the frequent occurrence of symptoms of critation from moderate down and the not uncommon presence of constitutional offsets from its external me, it seems to me that it has been given in stome beyond the line of safety.

Never having seen any reason for giving this drug as a germousle. I have no personal expenence with this use of it, notifier was it part of my plan to consider the clinical results of the treatment. for as I have stained before, even if clinical experience showed that it was a specific for diphtherm, that mould be no proof of its germicalal action, but in broking over the cases reported, I see no reason to suppose the results tester than under more usual methods.

Dr Jacobs quotes three observers as reporting together 243 cases with 21 deaths. If we add to these, Thellon's 10 successful cases, we have a death rule of a little over 8 s. Considering the case with which enthusiastic investigators of new drugs collect favorable entisties, this is not a particularly good showing. Other methods of treatment have brought out as good if not tax ter against. It is easy for any treatment to give a teries of increasful rates, especially after the invertity of an epidemic is over, and particularly if the physician is its who sees diphtheria when ever the favores personal constituing with a widtish membranism appearance. No disease his find more specific removals proposed for its curv than diphtheria. They all have shown howerable statistics on their introduction, but so far they have all become a thing of the past, and bure never attained that standing among the profession as a whole which every drug of real value easily obtains.

In all the foregoing remarks we have accepted in true the presences upon which the advocates of the generalist action of drugs have their claims. They assume that us more of the generalist is necessary to preven the growth of the bacteria of disease in the

book than it required to portent their development in a culture fined. The conditions are not parallel. All experiments show that more at the permission as required to kee furteria in active growth. than to prevent their development, but as we treat cases in granties, the bacteria are well named in their morbific course before and are able to preognize the numbers of simulton Sternberg's experiments show that a strength of 1-20101 is recessary to kill the buctoria of jus and septientia affec their development is once begun, and in the case of besterium terms, and the phirefretive bucterts of broken-down bashton, 1-10000 is necessary. If then we have a mee of explinemen where we wish to destroy the poisson in the body, we would be obliged to give terice the amount of bickleride we have need in our calculations, namely, six grains. Another fact they take for granted is that factoria are as easily killed in the body as under the artificial conditions of a subture fluid. When purhogenic bacteria are multiplying is the body, they are existing ansier what are to them perfectly external conditions, and it does not seem reasonable to suppose that they can be an early killed at when they exist under the purely artificial surroundings of laboratory experiments. That this does make a difference is shown. by the hager aurount of the birldoride required to kill the bacterium terms at company) with the microsporus of septiments. The latter growing is a culture fluid were killed by the hockloride is a strength of 1-20100, while the former one of the patryfactive bacteris, and so when, as in these experiments growing in berties it existed under natural conditions, required the germicide in the strength of 1-19000 twice as much.

Another thing to be considered in the simplex chemical character of the blood as compared with a entiture fluid. It is difficult to add any of the germicides to storn a fluid brithout guilling some channel reserving which may render the germicide a loss powerful polices to the factoria. Another assumption much a that further a develop only in the blood, and all that is recessary a to render the eighbour pounds of blood an impossible field for their greath. This stem is in accordance with our entimary usage in speaking of the infectious discusses as being due to a potent exculating in the blood. On the other hand, as a first, most of the broom pullogence butters are found in the tasses outside of the blood vessels. On account of this, then, is notice to succeed in any germicidal treatment we shall be obliged to informing enough of the germicide to sterilize all the mouse of the body. The world obviously require an amount of the germinide, which in the case of any now known dismfectant, it would be impossible to give without fairly possible the patient.

All of the germendes thus he used are equally pelectors to man and bucteria; probably more potentian to man, for at a relotice more highly organized an animal the corre-county is its liferemarked. Burboria are of a lower organization than the cells of the body or blood, and those econe to be no reason why the permittide aboutd not set just as discorrously to three cells as to the barboria.

The experiments of Problem show that this is the case with curbolto used (Ass. Jose, Mod. Scincer, Jan. 1981). He found that a solution of 1–1240 applied to the cilia. The whom blood arise serger of a free caused death of the cilia. The whom blood arise were also experimented with in a similar moment, theoring that a solution of 1–1540 applied to the cells outside of the leady stopped the annulosed movement and killed the criti. A solution of 1–1220 applied to the bindeer or measurery where the circulation could be observed, was found to stop the annulose momentum and emigration of the cells. As they passed inward in the circulation it was impossible to doministrate their seath. As those solutions were weaker than those occasions to kill suchers, we must infer that carbolic arid used internally would actionally interfere with the rital functions before it killed the furthers. We may reasonably suppose the same to be true of the other germinides.

If the theory of the germinial treatment of disease is correct, it would seem as if the treatment of the external parasitic diseases should furnish some analogy in stafavor. When we endeavor to hill the parasition of sing-worse, facus, etc., we find it necessary to uncomparatively strong administration of some germinals, surroury, soding, copper, etc., to an extent that me one would think of its internal medication.

Cheyne (Writ Mol. Janv., July 24, 1824.) has proposed a treatment of generates based upon the local use of germicides. His plan case for the use of a tempte of set prace of set of ore and ten minima of oil of caralyptic followed by the use of an emulsion of escaleptic oil of the strength of 1-20. Evidently this plan, even of suggestful, requires the use of germicides to an extent impossible to internal use. Creaters method of preventing opticialmum

securatorum depends upon the germicidal action of an application to the eyes of a two per cent, solution of currate of silver. He hand that a core per cent solution failed (Garrigues, Am Jour. Mod. Science, Oct., 1884.) Here also it will be noticed that a large amount of the germicide is required. It is the more with the use of antiseptics in surgery. Surgeous consider it accounty to see the technolide in the strength of 1–1000, or 1–2000 never less than 1–5000, to be sure of preventing the growth of buccoin. There some to be nothing in the external use of germicides to indicate that they can be used as such internally.

Advocates of this theory of germicidal treatment point on exphilis and intermedient fewer as two infectious diseases for which we have specific remedies; moreoury and quame, and claim that they act by directly killing the germs of these disease. As the pointers of these diseases have never been implated there in no. proof of this and from analogy there is every reason to suppose that they act in mant more unifrect way. If the bacteria of syphian are directly letted by the comparatively small down of moreoury necessary in cure this discuse then we must assume that they are more smeephible to the action of that drug than any known buctminn. The same applies to the bettern of intermittent lever. So far us we know the puttogenic bacteria are acted upon in much the same general way to the germicides. Each bactering is killed to all the permission and each permission kills all the horterts. If quintes directly kills the buckeris of infermittent lover. we should expect it to kill the factorized syphilis in about the same does, and the same in the case of nearenry and syptoits.

In order to best the germinskal amount of drugs there can be no before may than to experiment on animals by inventating them with the person of some disease, and then after the disease has begue, gaving the germinske by the mounts or hypothermically. Some reliable experiments have been made in this way, but in come of them have my effects been obtained from the use of different greenicities.

It seems to me that the only unclasion which can be legitimately drawn from all the facts in the case, is that it is impossible to imposing into the body sufficient of any now known germicide to destroy the tectoria of any dosnos. Whether a specific for all or any of the infectious diseases will sometime be discovered in an interesting pression.

Executin those discusses in which it is considered withed that the gornine bacteriam has been discovered, we know almost inching about their life history is the body. We have some reason to suppose that the Insteria produce a cloraical change in the tissum of the body, forming a chemical poison which causes the symptoms of the discuss. We know that certain forms of furtieria in the process of their growth produce alcohol and carbonic and from sugar; another, avotic acid from alsobot namber, lartic arid in milk. etc. The current violent counting and jurging which noting as the result of eating meat in the earliest stage of decomposition, are supposed to be due to some chemical substance produced by the growth of certain forms of bacterss. Eurolou Sanderson found that the buttern of septiermin produced a chemical body which he termed sepsin. If this sepsin was introduced into the circulation in animals symptoms of equipment resulted, coming on soon after the injection, and passing off after a time if a fatal does was not given, teharing is every respect like any chemical poison

In this connection is snother interesting fact. It has been found that the putrefactive bacteria in their growth form in some way. from the tissues which they decompose certain germicides, phenol, skatol, indol, and many other substances channeally alicel. Each of these substances if present in sufficient amount, destroy the basteria which created it. Something analogous to this his been thought to be the cause of the immunity of persons from a second attack of most of the infectious diseases. That is, the first growth of bacteria produced a enterance which would prevent the growth of the same lucteria a record time. It is possible then, that there may be a chemical substance causing the symptoms of the disease, and exother substance which steps their growth, and povents their subsequent development. Chamatry has achieved many combins, and it is possible also may present us with a solustance which will be a chemical antidote to this posson produced in the tissues by the barteria, or possible with that enterlainer which provents the second development of a disease. If we had either of such substances they would be specific nemodia such for its own disease. With drugs acting in this way ore can see how a records may be a specific for one infectious discuss without directly killing the factoria. It is also possible that chemistry may furnish us with a substance which will be a certain poison to the fuctoria of all the infectious surgans, and not injurious to man.

But while acience to working out these complex problems let us treat the infections discuss empirically, with those remotive which experience has demonstrated to be the most productive of good, namely: frush air, good food, themliness, from alcohol, and quinnessed if we feel called upon to kill the germs developing to the injury of our patient's body, let us be sure we are not adminitering a recordy more deadly to the patient than to the barners.

ESSAY.

ARE THERE ANY SYMPTOMS OR CRITERIA BY WHICH WE MAY DEAGNOSE INSANITY PROMICEDER WHEN MADE AS A PLEA FOR CRIMINAL ACTS:

By PATRICK CASSIN, M.D. Norwaco, Coss.

Atthors consulted in the preparation of this may: Barracool — Treation on Insuring. Stay — Medical Jurispendence of Insuring. Wharton & Stille — Medical Jurispendence. Counter — Medical Discusses. Brown — Medical Jurispendence. More — Psychological Medicale. Spitishanbenarity. Benefities — Medical Jurispendence. Conference — Judicial Aspects of Insuring. Mandalog. Bocketts, and Treke

Psychology may be classed among the authoritative priesces-From crude and insignificant luginnings it has expanded with arouging rapidity, and at the pressus my community the undivided alterding of the about of the medical frateristy. Its importance is eripoid by the number of journals devoted to its study; and well may it claim attention, for the elaboration of no science has done more to ansdromis the condition of the fremen family. It ine revolutionized the treatment of the towns, restored to bone and society many infortunities, and sensed from the character of others the stigme of spane. Thus far the knowledge of Psychology. is commendable, but by its very definitiveness, its critical imagist rate the actions, healthy and unhealthy, of the mont, its extensive and intricate views of respondiality and irrespondibity, it has opened an avenue through which the guilty may at these escape. the edicts of justice, and the innocent suffer. Though somes of bloodshed and violence may be deprecated, it is but natural for briends to endeavor to condone the offense, and to excite the popalsor to feelings of sympathy in behalf of the sormed and to have an insure cell aplantituted for a feloura. So, also, it is a consulation to the family moving in the higher walks of soriety to frecue its

fallon member from the expansion of some foul strine, and to recognize in bun but a mental flarkness caused by a Deity.

That a provident father, an infulgent mother, or a loying sister. should discover in a guilty son and brother the remptons of mental disease, rather than depracity, is but a natural proceeding. But though friends may riose their eyes to our faults and errors, seeing virtue where there is naught but vice ever ready to defend our actions by interposing in our hehalf, yet crime at crime must and should be punished. The duty of the government, the rights of society demand it, and our science, to prove salarary, must become a willing adjunct to the excession of just laws. Now, to inflict purphrient for acts committed, the distinction between come and mentity should be clearly defined. This reconstates a knowledge of what inemity really is, and how we may judge the responsibility of an alloged insure criminal. To the physician this is a most ardnoles and difficult task, for among the enormous mass of literature on the question he finds conflictions upon conflictions. Yet, the question of responsibility is no longer confined to Isamed psychologies or sumest practs, it has run rangant through every melion of news, from the allesist journal down to the country nowamper. Even more, the general public are one perly to give an original idea on the tests of right and wring when inquity is and not an an execute for a united. This only illustrates the drapsoul the greation of munity has taken, not only in the profession. bit also among the laity.

Let us see for a moment low the minds of men in general are awayed whenever this question is deliberated upon in their mides. Suppose a crime of unusual accordy be committed, and if there be no other defense the plea of immity will invariably be advanced. Now the public is led by sympathies eather than by reason and when it first hours of such a crime all its sympathics are with the victim, and were it to have no way, the eniminal would at once be given to the bender merries of "Judge Lynch". Such however, reaction takes place the public reasons institute on our do will bring the dead man back, and they are only too glot be adopt any reason which has the slightest appearance of bright is at a source leniency for the criminal. Therefore many are always sure to accept mainly so an explanation of the crime. The order lawyer results adopt this as a defense, and is supported to corrain more laws of the medical profession, who advance more and extrangtheories for explaining that entitional, purhetic, and moral manuity phono terms being used synonymously) are ordinary physical causes of moral deprayity and crime of immediatescity.

Some of these maintain that all moral depracity is moral meanity, and that one may be insure at the instant of criminal act and perfectly man at the instant preceding the act and following it, and at all the other instants of his life; that one may be perfectly man as to bis intellect and yet plan and execute a criminal act by complision of an insure will and that any crops of an unusual or revolting character is informan and insustant, and is at once nurritied to a madrian, and therefore an insure man did it. Although we know in some it is test a natural and healthy instruct to consider no other's life or property secred but their nero, and for the preservance of some pay or advantage are willing to surities the lives and fortunes of others—to these each acts are nother unpartural or issues.

The courts, as we may presume, recognize this fact, and do not accept insulty as existing merely because the crime is enormous and is committed without reasonable motives.

A pice of insurity must be sustained by sufficient proof, and hence great officer and ability have been directed toward establishing some lagal test of mental meanity by which to rule all cases of the knot. Members of the medical productors are called to . among the purp, who are stuly instructed on these tests, in order to aid then in determining as to the fact, if any, of the distinct symptoms, and the true nature of mental incomity, of the particufar case before them. There a nearly no great difficulty, when the offender is a riging manual or confirmed effect; but the perplexing case is that of the accused who has method in his madness, who deliberately planned selected the amand, and executed a criminal work - can such a person be really intane? And if so, by what tools, symptoms, or enterin can it is certainly determined, that he is of incare mind, and therefore not pumphable? With a view to the ascertamment of these facts, the courts at different times have hid down cortain tests for distinguishing insunity. Lord Coles, it the year 1640, mendy classified madness. at those persons montally discood, and described four kinds

"The first an filter, who from his aminity, by a persected infinity is see compare matter."

Second, "He that by sickness, graf, or other accident wholly loosts his memory and understanding."

Third, "A luratic who structures has his understanding, and sometimes not polycomic quality holds intermalish, and therefore he is called non suspin weath;—so long so he both not understanding."

Fourth, "He that by his own vicious acts for a time depriveth himself of memory and understanding as he that is dramken,"

There is here given no definition of manuty-the first is amstelligible, without a definition of the word shot - the account describes a condition which was pover realized in fact, as no binatic was ever entirely deprived of memory and understanding - the third by refers only to that form of partial meanity, which is marked by local intervals, without giving any symptom by which the monity on one or more subjects may be recognized, and not to that form of mounty with which you and I are familiar, known at the present day as monumania, and which is characterized by deliasens on one or more subjects, while the individual thus affected is rational in other matters. This came to be recognized in time, as we find Lord [Info and others ruling that there is a partial innarity, and a total immity. That a man may be nos compas mento quand Auc, without being not compar mentir altoperlow, and that this martial (nearity sceme not to excuse one in the commutat of any offense, for its matter capital. Thus in 1723, when Armild was tried for shooting Local Onslow. Tracey, judge. remarked it is not every kind of frantic humor or semething imacountable in a man's action, that points him out to be such a madman as to exempt him from numerhment, it must be a man who is totally deprived of his understanding and memory, and not to know what his is doing no more than an intent, a brate, or a wild beast. But that great versative genius Lord Erskins, in twee, whon defending Harneld, who was charged with shooting at the king, need these words, "No mich madmate ever existed in the world, as the entire prevation both of indentanding and momory." Up to this period, 1800, the riding of the course invisibal me definition of intainty, not laid down any last or eruptom by which many rotion can be distinguished from reason that is some. It was Ersking in his great speech in defense of Hatfield, who was the fest to affern that where there was no forcesy or reging small rose delegoe to the true test or distinctive symptom of incasity.

Here are his weeds in his speech for the prisoner, "Delusion therefore, when there is no frenzy or raving madness, is the true character of inamity." After rejecting the old test, on the ground that no image man was ever without all remembrance of what is past, and of all power of judging what is present, said, "In all the cases that have filled Westminster Hall, with complicated consideration the insure person had not only had the most perfect knowledge and recollection of all the relation they stood in toward them, and of the acts and circumstances of their lives, but had in general been remarkable for subtlets and gentenous that guts in the shale the ordinary conception of mankind, their conditions. are just, and frequently produced, but the precesses from which they remon when within the range of these maledy are uniformly false; not false from defect of knowledge or judgment, but became a delinive image, the enegatable comparion of real insanity is thrus: upon the subjugated understanding, meapable or posignance because uncouncieur of attack."

Delignon from this time for twelve years was the rest for insurity followed by the courts, but = 1812 Billingham was tried for the number of Spencer Percival and from the testimony of several reliable witnesses the prisoner labored under many of those strange delisions that find a place only in the brain of a madman. His fixed helpd was that his own private grievances were national wrongs, that his country's diplomatic agents in a foreign land neglected to hear his complaints and assist him in his troubles. In this conviction he was firm to the last, which was that the government would make good his louses, sithough told by many officials that the government would not interfere in any of his affairs. Then his determination, on the failure of all other means. to bring his case ledore the public, was to assessmale the head of the government, by which he would have an opportunity to make a public statement of his grisvances, and obtain a triumph. Those wore all delument as wild and strange as those of seven eightle of the inmates of any lumitic asylum. Insure delation was present upon the jury, as a defrace for the order, and though he himself denied the imputation of mainty, the attersey-general virtually acknowledged the existence of insure delusions, but asked for his conviction in other grounds. He thus argued upon the authority of the first sages in the country, and upon the authority of the neal(abod law as the land in all times, which law has never been

questioned that although a man may be incupable of conducting his own affairs, he may still be answerable for his criminal acts, if he possesses a mind capable of distinguishing right from wrong hard Chief Junice Manufield, who tried the case, eclosed the same doctrine in his charge to the jury, in meaking of a species of insantly in which the patient funcies the existence of an injury, and seeks an opportunity of grandying revenue by some hostile act, he says, "If such a person were capable in other respects of distinguishing right from wrong, there was no excuse for any act of atrocity he might commit under this description of decomposess."

Lord Lyndhunt confirmed the law in 1828; and again in 1831, Mr. Jinties Park told a jury helding in their hands the little a fellow man, that an request the effect of insurity in responsibility for crime, it is increit necessary that the party should have still-creat knowledge and consumts discriminate between right and wrong. Thus it will be seen from 1812 to 1814, the decision given were That imans delimions did not remote summalizations billy in one who retained the power of distinguishing right from wrong.

In 1811 our McNaughlen met in one of the streets of Lourien Mr. Drummond, private sorpetary to Sir Robert Peals, and about him dead with a pistol. For some time previous McNaughton of entertained the delegated that he was pursued by enemies who lot lowed him everywhere, blasting his fame, distintleng his peace, and filling him with intelerable disquistude, taxcying thrumwood to be one of the crew. he shot him. His inscrity was not obvious atsight, he had recently transacted some business, hed interviewed. some of the relations in their true light, and had behaved with unch propriety in his collinary intercourse with uses. He was defended by able and zealous counted who remented Ecolome's defense of forty-three years before, and orged on the minds of the jury, delimiter as a defense. The courts readily favored this view of the case, and he was acquitted. The populace, however, were far from being satisfied with the result, for they beheld only two facts in the case; a worthy man had been shot down in broad day, without prevocation, by one who could transact toreners, discourse correctly, and who showed no very obvious symptoms of insantly.

The Bosto of Lords participating in the popular feeling proposed four questions to the Law Judges, with the request that they would agree upon, and report answers, in order that the courts might, if possible, settle upon some initions rules and doctimes, capable of embracing every possible case and doing tapustion to none

The queries as may be seen, imply a doubt as to the correctness of the doctrine: That delesion of itself should acquit unless accompanced by some other mental doubtlity. These questions and their attences where as follows:

Question 1. "What is the law respecting alleged crimes committed by persons affected by insure definitions, in respect of one or neitre particular subjects or persons, as for instance, when at the time of the commission of the alleged crime, the accused knew to was acting contrary to law, but dod the act complained of with a ware, under the indinesce of issues deligion, of refraining or averging some supposed grievenes or injury, or of producing some supposed public benefit?"

Answer. Assuming that your Lordshipe inquires are confined to those persons who labor under such partial delusions only, and are not in other respects mann, we are of opinion, that not withstanding the accused did the act complained of with a yiew, under the influence of insune delusions, of reduceing or revenging some supposed growance or injury, or of the producing some public benefit, be a invertible particle benefit, according to the nature of the arrive committed, if he know at the time of committing such come that he was acting contrary to law, my which expression we inderstand your Tarriships mean the law of the land."

Question II.—What are the proper questions to be submitted to the jury where a person alleged to be affected with means delaster, respecting one or more particular subjects or persons, is charged with the commission of a cross, marrier for example, and instantly is set up as a defense?

Question III. In what terms ought the question to be left to the pary as to the prosence's state of need at the time when the set was committed?"

Amover. As these two questions appear to us as he more conremiently answered together, we submit our opinion to be. That the jury neight to be told in all cases that every man is to be presumed sine and to possess a sufficient degree of reason to be responsible for his cross until the contrary be proved to their satisfaction, and that to retablish a defense on the ground of insanity, it must he dealty proved that at the some of commuting the set, the accusal was laboring under such defect of reason from disease of mind, as not to know the nature and quality of the act he was doing, or if he field know it that he did not know he was doing what was wrong."

Question IV ... It a person under an image delinon as to existing facts committe an offense in consequence thereof, in be thereby excused?"

Appear, if the assumption that he labors stoler partial deletions only, and a not in other respects insure he must be densidered in the same situation as to responsibility, as if the farts with respect to which the delesion exists were real. For example, if unfor the influence of delesion he supposed another man to be in the act of intempting to take away his life and be kills that man, as he supposes in self-defense, he would be exempt from paradiment. If his delesion was that the decreased had infliend a serious injury to his character and fortune, and he killed him to revenge for such supposed in jury, he would be liable to pusishment.

This authoritative statement of the law laid down by these judges (who undoubtedly were anisted in frunding these massess by the best medical talent to be found), is the one generally affored to by the courts of England, and of the United States; although it is accorded and emphatically condemned by many leading members of the medical profession of our day, whose reasons for regarding the judges who framed them, as possibly upright, but undoubtedly teelish, shall be given further on in this article.

The two professions lawyers and physicians, held inflorest views with regard to the definition of intantly. That is the lawyer means conduct, of the physician, a disease one of the effects of which is to produce state conduct. Medical ince infer the existence of disease from symptoms, and therefore it is necessary into innterstand rigidly the marner in which the healthy burner mindacts; how it forms do ideas of objects, and to know clearly that the intellect depends entirely on the senses and singination for the presentation of all the objects of its thoughts and ideas.

The average brain of a male European and his descendants, weight about forty-nine cances, and "no matter," says for Haramend, in his latest work on insurity (page 17), here prefer the rest of the known system might be, no matter has semples the constant convolutions, or how think the gree matter of the copies, there would be no small but for the special senses. The brain can reignate nothing, if one are not muster they are derived entirely from without; therefore if it were possible for a man to be been and to live without eight, bearing, touch, hads, or small, even thistigh he possess the brain of a Secreties in size convolutions and grey matter, he would never be able, though he lived for all etertisty to conceive the idea that one and too make two, noting each! if in any was be taught him." Hence promption is the starting point of all ideation, and it receives its improving from the special senses, its in number — night, braining, touch, teste, and smen, and numerilar, the latter by which we desermine the weight of bodies. Without these special senses and a merry to transmit the peculiar impressions they make upon the brain and a gangion center to convey the impressions into perception there would be no mind.

Perception causes the evolution of another force existing in the taces complex part of the brain, the cortex where perception is to-solved into an idea, to the formation of which accord important faculties of the intellect are brought into action, namely—memory, judgment, abstraction, reason, and imagination.

An idea or perception, in its turn, will excell another force of the train, which is called emittion. According to Bain, the word constion is used to comprehend all that is understood by heding, plantife, pain, passion sentiment, and affection. Harmould says (page 22), "certain animal appetites, as the desire for alcoholic inquest, opions, charal, the pleasures of the table, gambling sexual intercourse, are sometimes regarded as emotions, but they are entirely different, as they not upon a lower plane, in its opinion, they are the starting point from which the sentions spring." These bring into action another force of the small, which is called will, the rational appearse, the moral sense, the governor of all one acts, our conscience, the power of desiring or clausing.

Therefore in an individual, whose train is well-dormed and of the normal size, free from structural changes, nourished nother excessively nor deficiently with healthy blood, the perceptions, the intellect, the cusations and the will art in perfect barmony, and in a manner which within certain limits a common to markind. Slight changes in the structure or nutrains of the train indices corresponding changes in the mind as a whole, or is one or more ad its parts or facilities while more profound afterations are

As an interestion of the different classifications of insentity would carry this many beyond its proper limits. I will morely adopt that of Dr. Ray, the same also as Esquirol's, since it preserves the divisions made by nature, and corresponds to the two divisions of mental insurety. I have made above—they are idioey, inducting demonstrat mania, and monomenta. Idiocy and imberdity are maintalestical articles resulting from congenital defect or from two of development of the faculties in intancy. Detection approximate of divisionment of the faculties in intancy. Detection to the faculties in fallows of the brain, in follows certain scale discusses as transmitte injuries of the brain, as in organic changes peculiar to old age. These I class under mental disease, as in their there are always organic changes and they are easily recognized.

The second class which I call discussed mental action, because in them there are very solden to be found any organic changes in the brain, is known by the name of mania, divisible into two broadly distinguishable groups of cases. First, acute mania or raging fronzy. When the offender a under the control of raging mania, allowy, imbecility, cretimism or dementia, there is neually so great difficulty in physicians and lawyers agreeing. But the perplexing case is mbes the accused is under the centrol of use of the divisions of the second group of diseased mental action, which is known by the name of minomainin; when the patient has method in his madness, when he can duliberately plan, when the means, and choose a proper time to execute a criminal work. Can such a person be really manie? and if no, by what test or symptoms can it be certainly determined that he is of incommined, and therefore not punishable?

The law-judges of England say, in their answer to the questions proposition to them, that in order to judge the mona character of a person's acts, done when such person is under the control of mone Schpton on one indeed, we must assume that the mole are just what he imagines them to be, and then to judge his set by those facts, as if they really charted. If one borns down his ariginary house because he imanely function that God commanded

him to do so, his art is not punuthable, but if he forms the bosse out of revenge, because his delimion is that his neighbor related him of his good name, then he is guilty, expansing that his mind was sans in all she and he knew revenge to be unlawful

"Beliation with imbility to distinguish right from wrong," is the test laid down by the pudges, in their nature to the Home of Lords, to that form of meanity from which is oxidated ideory, demantia, francy or rawing mania, in which the specific action of tatellier art will is scarcely observable at all: hence I will confirm myself naturely to that form of immuty, which Erikine calls deliminant, as according to him inclusion is the inseparable companion of interpretable companion of interpretable scar-

The ability or imability of distinguishing right from wrong is not a test of meanity, but is the test of rational knowledge, presupposing the mind to be in the healthy normal state. The question still to be appeared in. What is the test of that mental meanity, which deprives the rated of its power to distinguish right from wrong? The print, Erskins, may delisted and the correct mean of this principle is recognized by the courts.

Now let in hear what medical men say, and it is any just to let them speak for themselves. Doctor Ray, among the most anie of our American writers on medical jumpradesco, says, in his fifth olition, published 1871 (page 28). - If the intellect is exclusively hable to demargement, definion would be an imobjectionable test and would furnish an easy and satisfactory closs to the elocidation of doubtful cases. Her it must not be be portion that the Anthorof our being his also endored us with rectain moral faculties, comprising the various sentiments, proposatios, and affections, which like the intellect, being rensected with the brain, are necessarily affected by pathological actions in that organism. The abnormal condition thus produced may exert as automoting with once on the conduct, changing the peaceable and returns individual into a denote of fury, or at least turning him from the cubic and quiet of his lawful and innocent occupation, into a curver of absturless dissipation and deboughery, while the intellectual perceptions seem to have lost none of those commany semilares and vigor The existence of the form of insanity a new too well known to is questioned, though it may be called by some other name than meral insurity. In this, the most deployable condition to which a husam being can be reduced, where the wretched pattern finds

hannelf arged, justices, to the accommon of every drawing and though perfectly conscious of what he is doing, made in other the lightest resistance in the convolutioning power important him around (i. a. incoming of the well), the responsibility is to be concollered as not affected. Secause in definition is present to disturb and distort the mental vision.

Philip Pine, a colletented Frenchman in charge of the Bestin. in Paris, at the beginning of the present contury, is said to have been the first to assert moral manua, which he discribes to this laterage. That there were many manage, who betrayed no tesion whatever of the antiontanding, but were under the dominion of instinctive and abstract fury, as if the affective faculties alone had notamed myary," which he calls "reasoning madesm Prilehard, an Engislanar, true the next, or 1840, to support Pinch. and he is credited well enstaining the theory of meral mania at that the will us the moral sense may be meane, even when the midded a perfectly size. He declares that persons wherein under this form of instally may be capable of ensouing and of emporting an argument on any subject within their sphere of knowledge that may be presented to them, and further, that they often display great ingening in giring pasons for their econtriccoping and in accoming for and justifying the state of moral helieg under which they appear to exist. The followers of Prinduced maintain this theory still soore explicitly, claiming metal. immetr to be a dissess of the sural some, and the only symptommuniforming this type to be deprayity of an around or a countional

For illustration, I quote the following muo, which is cited to somain their theory, as related by Pinel, and contained in Bay's work (in 224): "An only som of a work and includgent mother was encouraged in the gratification of every caprice and passion of which an intuitored and violent temper was encouplide. The imperiodity of his disposition increased with his years. The money with which he was invisitly supplied removed every obstacle to the indulgence of his wild desire. Every instance of appearance or resistance roused him to acts at fury. He assumbed his adversaries with the anisotity of a savage, sought to reign by force, and was perpetually embroiled in disputes and quarters. If a dog, a borse, or any other animal offended him, he imitaatly put it to death. If ever he want to a life or any other public meeting he

was ours to excite each tunishes as norminated in actual pogilistic encembers, and he penerally left the same with a boosty non-This wayward routh, however, when unmoved by passions, yessensed a perfectly sound judgment. When he because of age he succeeded to the possession of an extensive formin. He proved himself fully compotent to the management of his retate, as well as to the discharge of his relative duties, and lat ever distinguished himself by acts of beneficence and composition. Woulds, sweatte. and permiary compensations were generally the remedictive of has trachappy properiety to quarrel. But an act of nationally put an and to his career of violence. Enraged with a groman, who had taest offensive language to him, he prescribited her into a well-Princettion was detransaced against fem, and on the deposition of a great many witherases, who gave evalence to his Jurious departsent, he was condenined to perpetral confinement in the Biother.

The school of medical trachers cited above hold that the reason is perfectly right and completely conscious, and declares in his the social wars, the affective faculty, the will that in course Another tehool constance the law as applied to partial mainty, or monominia, and amost with Maudeley, Ordenness, Buckell, and Hamilton, that when a person is a lumine he - a burnile to his fingers' ands. Ordronnus, in his argument against the arm moretranta (page 29), says the mind is not formed of compartments, each tenunted by a separate faculty, and such surrounded by an inpassable wall left on the contrary, it is unstary in penergic, and cannot therefore be styrided exclusively into parts. Emotional issuinty, pathetic mainty, affertive insuity, meral issuinty, are expressions and by these authors synonymously, and rignify manney of the will. According to them a persons will may be treater, while at the same time for mason may be seen to that one laring this form of inunity may deliberately plan anoth the means, and execute a murder,-impelled to do so by force of an issues will, though his reason is perfectly one soil to know and reprolutes the deed as urning.

Hammond says in support of this theory (page 31), it is certain naturous, notably in hysteric and insuring this mability to exert the power of the will be a pronounce former. In the larges occudition the will is often parentied against the domina and the whole system of thought of the individual producing what is known as

"morted impalies." In these cases the will as it more breaks how from the infolicet and raises the perpetration of outs of immorality or violence. The question then or Can's must intakbut he puriodly une while he will to at the same time mome? It may be been stated that it is not physically possible for a person's will to be insure while his intellect is really some when we call to mind the manner in which the intellect and will depend on the senses and the imagination for the presentation of all the objects of thought and oles. To know the nature of an end, he ossectiv judge its moral character, to rightly select the means and thee to accomplish that and as the work or object insended, precody constitutes that operation of the healthy mind over which man's reason has surpline or free reductary united. But when the senses of the imagination present defunys images to the intellect. the region and its rational appetite, the will must be imme, for the will in reason's faculty of appetition, or the power of during and choosing. Reason and will are not, then, separate from each other, but intrinsically constitute one principle, which is espable of knowing, judging, and choosing,

Going further, we find that the mind is divided in joychology into three functions: originities or feeling, thought or untillier, and will or volution. Cognition or feeling is the first function of the mind; this necessarily aromes thought or intellect into action and feeling, guided by thought, directs the will to the particular object. If terling alone sociated the will, without the intervention of intilion to direct it, it would strike out blindly into more space. Thought therefore is necessarily involved in every contional art be there then, such a faculty in man as the most scare independint of the intellect? or, can such a faculty exist? There is such an expression as good scale, which is allowable.

Prof. Pane's ideas on the formation of conscience or metals in man will neve to efficience this question. "I have, he says, given it as my deliterate opinion that authority or punishment is the commonorment of that state of mind recognized under the sarious mines of conscience, moral sense the sentiment obligation. The major part of every assumming adopts certain rules of conduct recovery for the remaining processation, or ministering to the remains one-laring. They find it are morely those number of maxims of individual neutralists, and of respect to one another's feedings

on such points in person, property, and good name. Obedience must be spontaneous upon the part of a large number of these whose influence preponderates; in the society; as regards the rost, compulsion must be brought to bear. Every one not of himself disposed to follow the rules prescribed by the community is subjected to some application of pain, to supply the absence of other motives. It is this familiarity with regime of compulsion and of suffering coneartly increasing until resistance is overlooms that implants in the infact and youthful mind the germs of the sense of obligation. I know of no fact that would prove the existence of any such sentiment in the promitive cast of our montal constitution. As setifiend system of controlling the actions, accompanied with point imposed by persons about us, - their actions and the efformatimenattending them make a deep and characteristic impression. We have a peculiar notion attaching to them, and to the individual persons the author of the attendant pains. A strong ideal avoidance, not unmixed, perhaps, with the perturbation of fear, is generated towards what is thus forbidden by penalties, rising with transgresson. The feeling drawn out towards those who administer the pain is also of the nature of droad, we term it usually the feeding of authority. From first to last this is the essential and defining quality of the conscience although mixed up with other irgnelients. As duty is electroscribed by penishment, so the sense of obligation has no other misceral property except the ideal and actual avoidance of conduct prohibited by penalties. The discipline indoctrinates the newly introduced member of excisty with the sentiment of the forbidden, which by and by takes root and expands into the sentiment of moral disapprobation. He thus soon with the other members of the community in imposing and suforcing the problishions that have been stamped and branded to the course of his own education. Duty, then, may be said to have two prime supports in the more self-regarding parts of par nature—the sense of the common preservation and well being operating upon a proposderating majority, and the sense of panishment brought to hear upon individuals not sufficiently prompted by the other nentiment. Order being once established in a succepty, a.e., the practice of obedience being halo titual to the mass of the community, a is only necessary to apply a disciplinary process to the young to prepare thou for the sense assumences in the public morality. The imposition of parallies

begets at once the sense and avoidance of the forfelden and the awe of authority, and this, as a general rule, is retained through his as the basis of the individual conscience, the foremost motive to abstain from actions designated as wrong."

If Prof. Bain's account of the creation of the moral sense is cornect, which I believe it in the main to be as it gives man free will and memory, formed entirely by the intellect, and man as a rational being has but one superior mostal power, namely, reason endowed with three faculties: intellect, will ned momeny, not separated from each other, but constituting one principle, one tile of knowing, feeling, and choosing

Wharton and Stille in article 534, illustrate this principle: A man, for instance, is assaulted by another; he believes his life to be in danger; feeling is the first function of the mind here addressed, but this accessarily involves thought. Is the assault intentional? Was it designed? Can I infer, judging from former assaults, or from what I have observed or heard that it is aimed at life? Can it be repelled in no other way than by killing the amailant? Pressing impitries such as these, feeling, guided by thought, directs the will to the particular object, and the killing a proper. Will therefore, a meapable of any action until reason. proposes it. The right and wrong of the lawyer, the appreciable intellectual discenser of the physician can then only be discovered in a faculty which is espatin of knowledge, and that faculty is the intellect. Therefore there can be no means mental or teelily action in man, which does not spring from the lost use of right cased through a diseased state of imagination, either in regard to cers ce more objects.

It may happen, and doubtless does happen, that acts of violence may be committed against the will and in spite of reason, where there is a discussed and sickly nervous system, and the muscles will not obey the will, as in chorea. Thus, a patient may dash his bead against a mick because he has no control over the nuncles of his body. So in atoxia, one very, against his reason and will pull the tragger of a pixel and deprive his friend of his life. So it is easy to conceive how certain bestily passons and emotions, it induged too freely, become what is commonly called second nature, that is to say, oft repeated they tend to pass out of the fornition of willful choice to that it automatic action. Sinke-

speare forcibly expresses this idea in Hamboo's advice to his mother:

"Befran to night,

And that shall lend a kind of easiers to the took abstract; The next more easy. For use absent can charge the stemp of moure."

Hence we must discrimenate between intellectual or volitional action, and organic or nerve action.

Man has two appetites, the intellectual or volitional action, and organic or assemi. Animals promptly obey the prodominant motive, his man who differs from the brude, in being able to avail hisself of surrounding phenomena, of profiting largely by experience, and advancing through failure to success, through pain to pleasure, can by his volution choose the stronger or wesher metive, or can freely reduce to choose either. To the governe and vicious, choice is easy, to the wise and virtuous it is difficilt; for the true idea of above as the awaying of the scales, not the kicking of the beam by one of the scales. Therefore, if a man is tempted struggle, attention, and resistance in his case is the sign of framanity and of healthy choice. While yielding and the want of attention struggle and resistance is the sign of vice, and if of; repeated becomes what is called second nature, that is, it has passed from voluntary action to automatic action. Pope in his " Encay on Man," heartifully expresses this idea as follows:-

"Vice is a mounter of so frightful mice.

As to be hated needs but to be need.

Yet seen too of a familiar with his face.

We first endure, then pity, then undersor."

Those departed individuals, who by force of passess or impulse are on the brink of committing some forbibles act, are awayed by two conflicting metives, passion and fear. Fear in such cases in the only solutary check to passion, as the state in order to protect accept must passed passion, no matter how trossicable it may appear. If it fails to do so it orestes the passon it recomps. As there is no anger, however irresultible it may appear for what rould be readily restrained if the individual knew be would reresire blow for blow. Therefore, a man of sine reason is always requestible for the government of his passions and evil inclinations, as the will cannot be deprived of its liberty of choice, except by deposing reason from its normal rule. And for the reason repented crimes in one who gives no other eggs of mental disease. is no proof of mental insurity, but in truth only a proof of moral departure.

It is easy, honover, to conceive how under great provincation cartaus bodily passens and feelings acting with sickly and abnormal violence do, at times, seem to override the reason and will, and cause acts, which may some impulsive or arresentible, and the law wisely takes this into account as a mitigating element, to lower the grade of pustshment, for as there was no deliberate action the region and will could have no share in the deed. Such an impulsive or emotional action may be only occusional or transitory, as seem to happen in Rieptomania, pyromania, enotismania, and dipsonania, or it may produce more or less declarament of the resson, crising mania and monominia accompanied with delution of one lived or another, which are, so already shold, the integrable companion of intine mental action. In maria there is a sea of troubles, a continuous rathle of delinare also crowling themselves upon the intellect of the individual. no one can remain long enough to his possession to form an olea. so they are quickly jodfed from their piace by hosts of others in rapid socression; such meanly is easily accognized and will themton to excluded from argument, buyelise with officey and imbcility, where the intellect and will are scarcely discernfuls at all and confine the argument entirely to that form of qualuess called monomaria, which presents the subject of inquity in the most interesting the most difficult, and at the same time the most onportant as requests medical jurispendance.

The endpent of this form of madows is able to reason with great accuracy in its even possible for them to countrie a work, select the means and execute a criminal set, and yet not pussibilitie because of the false wasse, impression, and therefore false intellectual telled upon one or more particular ulass of objects, while the external and internal senses present all other classes of objects as they are really and truly. This disease, during the continuous of which a now is more with reference to one subject and incars with reference to another, is recognized by symptom, and that symptom is deluxion. Understanding deluxion as Lord Brougham has defined it to be. The belief of things as realistic which can only exter in the imagination of the patient, such disease has histories and symptoms, by which one may be matinguished from another—taisonments has also its characteristic symptom, mencly, definion.

although many assert, on the contrary, that immity has no test by which it may be reorgaized, that its promise or absence in a given case is merely a question of fact, only to be decided by the experts and the jury. This is surely a colorie of structure, since to fact can be known, even to the most acute expert, except by means of its own specific criteria.

To thoroughly understand disease, we must know something of what health consists, as an excellent pathology areat he precoded by a careful anatomy and physiology, so as rightly know a disease, we must know something of its cause and course; to know the beginning is to know something of the end and middle also. Therefore, in seder to know how such a mental parasite as a definion on one particular class or classes of objects can counst, with complete mental health on another class of objects, it is first necessary that we know rightly the true functions of the brain-power, when its action is healthy and normal, we must first remember that the ratellest depends entirely on the senses and imagination for the presentation of all the objects of its thoughts and ideas, the office then of the imagination is to reproduce an image before the intellect, of an object printerily remined by it, from the external course, so the intellect itself forms all its ideas, so matter how abstract they may be, only by directing its action toward these phantaunts external to it. In no other manner can my get by done, or thought thought, or finding felt which is not mirround before the intellect. externally by the imagination.

One who reflects attentively, as I have done, while writing this cosay, on what takes place in his own mind when shinking, will observe this fact for himself, and will notice that we cannot even think our own thoughts, and make them objects of our mislion, except as the imagination presents them images in a material form, as regards one color, extension and other nuterial things. So in delusion of simple monoments, the sitellectual powers seem and formal, except so far as the single delusion is conserved, the individual seems to reason as materially so be sould do in a state of terms bealth. Hence it would seem to be a docume of the cognitive faculty, or of the nerve which conveys the impression to the brain, as a delusion is always a holid, and a belief is only a freling of certainde, which can only accompany seems of our regultiers. Were not thus the case, the error which is entertained in a delusion would be disodged by proof. Then Endance very forceby do-

scribes musconains, when he says their intellect is not defective, or judgment impaired, but a delarive image, the inseparable comparion of real imanity is thrust upon the subjugated intellect of the patient, incapable of resistance, became unconscious of attack.

In monomaria the intellect's actual condition may be represented by taking one of the special senses, the eye for example, and confining it so that it can see no object whatever, unless the shadow of an object be presented to it, as reflected from a patierned or cracked interor, the image of that object thus reflected would not be the true image, but would be distorted by every flaw in the moreor. So in like manner, there must be a false image of the object presented to the intellect, making to discover the deception, since if had no means to compare the false image with the mail

To sun up the entire contents of the essay.

First, in the same or image mind the intellect depends entirely upon the senses and the imagination for the presentation of all the objects of its thoughts and ideas.

Second, that there are two conditions of the brain which will produce insurity, first, organic changes in that organ which are permanent and medily recognized, second, changes in the natution of the brain, which may be only temporary and produces insure mental action.

Third, the sympton or test of insure mental action is delunion. Fourth, there is no moral or other form of taxanin independent of the insulier, except there is a lack of brain matter, and here the

intellect and will is marriely discernible at all.

Fifth, there can be no inamity of the will when the intellect is

Sixth, cruns, no matter how often repeated to not of small a symptom of manney but rather of deprayity.

Seventh, passion or (inpulse, however irresponded it may appear, in not invarity, and therefore should not outnot a person from pumishment.

Flighth, there is such a discour as monomania, during the existsize of which the potent may be instanced one or more imbjects, and perfectly size on all other and parts.

In constance, I would remark that from the earliest period to the history of medicus; mental doeses have been recognized, closeded, and treated as a subject worthy of the greatest attention that science or humanity could dictate. Hippocrates, Celous, and Galen wrote on insanity and classified it under these three heads mania, melancholia, and dementia, - and in modern times, the great problem of mental institity is a fascinating subject for investigation by the greatest minds in our profession, men whose general professional work was last as long as the history of medicine shall be anown. I have space only to mention a few. Pines, Esquirol. Casper, Cospolly, Brotic, Bain, Bay, Manddey, and Hammond. Although all positive knowledge of insunity has been derived from the labors of the physician, yet stabutes were formed and principles of her laid down regarding the punishment of incine criminals long before they had obtained any accurate notions respecting the realish, and, as we have seen, error and injustice here been done under the moved name of law. To the medical profession great peaks must be given for the dimovories they have made, the acrthese rendered, and the severeful treatment of mental discusse, and also for the proofs furnished by those of the different lesionsin the beam of the manne. Other discoverses which the eye cannot penetrate or the future foreson, are yet rendered possible. Therefore, whether out or young, our duty is clearly to investigate the discoveries of the past encourage to to go on. Michael Servettic pointed the way to William Harvey, who continued the work of discovering the current of the circulation which was truthfully established by Marcello Malphighs in 1661, four years after Barray'a death. The crude investigation of Auenburgger, though now forgotien, disclosed a path wherein Lastner became immortalized, m his revolution of diagnoss by percussion and associtation. The unconstitute observation of village peasests, paved the way to Jenner's discovery of vaccination, one of the greatest blossings over bestoned upon suffering humanity. So the philosophic Kepler has actually discovered that the retine of the eye forms perfect. mages of the objects seen by it. This indeed does even to point the way, that it is possible for the smouthly investigator, with the and of the modern improvements in instruments, to yet be able to make the discovery of the material plantam, primarily received by the sensor at a merve center in the leave. Away, then, with slith and indifference, a future greature backyon to on, as may be seen, an excestry full of imperishable examples tells us what to do. It pleads with as to stress and make the discovery which I believe

it be possible. Such a discoverer would stand forever processizent in our profession, as he would forever elucidate the same or insane mental action. Therefore in finishing, I cannot refrain from giring expression to hopes, they are these, that he may be a member of the profession, of our country, of our state, and even of our own only.

ESSAY.

ANGINA PECTURIS

BI S. W. Tynaku, M.D. CHISTER.

In his "Study of Medicine" John Mason Greek super. It is migular that there is no description which will fairly apply to this disease, which he calls "Sternalges, in any of the writings of the Greek Bornes, or Arabam authors that have assembled to us," and he interesthat it was not in existence in their day. He with every author, I believe who has written some gives to be Historien the credit of having first accurately described a in the "Transactions of the College of Physicians of Landon," about one has not and fifty years eggs.

Parry, Collen, Darwin, and McBride, a ten years later made investigations as to its instare and ensure and in thomograp did the work, that to this day very little more has been barned as to the pullsdage of this fearful disease. Helserden calls it - a disorder of the freuel. "Those who are afflicted with it, are seized whilst they are valling, and more particularly when they walk non-after enting, with a possible and most disagre-able execution to the bears, which some = if it would take their life away, of it were it increase or condition." Sir Thomas Walson, that most lastinating of motival histories, of whom it may well be said, " and good neigh son oranit," mays, "you will observe that the illustress occurs in paroxysein, and the justime at first has intervalof apparent availab. The paroxysms are especially liable to come on When the yattent is walking, and above all white he is escending - going up a hill. He is intent all at once with a pumbel sensalines, independation, but always referred to the heart or its soughborhood. Sometimes the sometion a spoken of as being a space, but

if also correse with it the impression that any continuance of the covertion, the attention another uses, would prove final, yet the patient to not out of breath. It is not dyenous that oppresses him. for he can breathe tools and soully. He lays held of any neighboring object to comport. He have a pale and haggard and you would suppose from his appropriate that he was actually at the point of donly. But in the carry stages of the source the panel soon subsides—the distress is over—and the patient is himself again. After the lapse of some time, however, the argumb lates are so culturates only case mendoes it always togeths some bodily sciences to bring a on. It will occur when the patient is quot, even in bod. He done as if the action of the basel was attended, and it is obliged to raw up every right, perhaps, for many weeks togeths."

It is a disease of advanced life. Of eight-four cases recorded by Dr. Fortes, somety-two were above fifty years of age, and twelve qualer lifty. Only one is eleven were founder. Of the eighty-how cases forty-normalised—almost all of them enddedly and of the forty-nine only two seess scarces. Climbes Samuer and Wendell Phillips were in vectors. John Hunter died of it the fittal intrave brought on by a fit of sugar. General Gordon, landy merificial to Heriith implicatory in Egypt, is said to have but more than a hundred attacks of it, and to have often maked for death as a relied. On the other hand, a person may successful to the first attack.

In the criting of February 2, 1884, I was immuned to a true, forty-eight trans of age, who had been at work during the day, had returned from a walk of half a mile to his bounding-place, and seated himself with a cigar to read his paper. He had for a few months complained to his shopmates of mildes and seven stracks of prior in the region of the heart, but had not taken institut advise. I reacted the house to find that the man had dust in agont, affects minima after the attack. From the description given by addingent persons who have present, I had so doubt that the discuss which to subdiving ferminated his life was "August Pectors." The pairs of signes is of the severest claracter, extending from the element to the spire, and "accompanied while it had with a beding of approx-long death."

Whether it is due, as Holorden supposed, to a space of the heart, to resolution of the coronary amories, so Parry and others claim,

whether it is as Lasanov calls it, pure neuralgia, whether the parexpans are careed by dilatation of the heart, or as Stokes nega-"the disease is but the coursesco to a defined manner of some of the symptoms connected with a wouldmed least," is not for the todecide. Food Layden of Berlin, an absumet of whose views to given by Dr. N. S. Davis, in the Journal of Am. Med. Assertences, for January 16, 1885, is of the spinton that " the disease most frequantily accompanies is one of the heart-mosels due to atheroma of the coronary attenta - and satinguishes three classes of the "The course of the disease is acute, and results in and her death. After certain productionals, such as vague anginous symptoms, dyspams, dinzeres, etc., the patient famile is sensed with a stidden intense angina pectors, and presenting signs of cardine failure, surb as ordens palmenum expires. The amopsy recents, asthe from a possible ruplure of the beart, areas of throns infunction and recent homorrhagic e-faming. In the exceed class, the course of the disease is sub-again, and is witnessed most edicain most about eighty years of age. Symptoms of cardiac disturbs one which may have obtained, at length increase in sevenity, attacks of sugment become more frequent and interest, rough and drougy augment and smally, after weeks or months of cardine authms and angine, which latter, if it remits at intervals, these soonly to make way for a semation of assaultee auxioty, the sufferer susception. The chiated boart is found to be the sent of fiberus disposaration and thomong. In the third class, the progress of the dissons to chronic, and is associated with advanced age."

The question which most interests no today is the practical one, what shall are do to ward off this temberry to death? The treatment of this formidable disease has been as varied as the theories concerning its came. Good relied on antimotial english and displacement work opining intermixed with other complion, or other differently entispassessing in the intervals, regulating the bewels, being out for the predisposing came, and giving opinin or learning an inglit, to peared against necurrence. Arsenic in small dome, or Primite serid, he may might be beneficial yet without a high dragree of skill and electrospection the records might prove far worse than the disease uself," a remark which in our day is northy of being cept in mited.

Good, and also McSride and Durwin speak highly of tonco in such thigh. Kerk racision, Good says, should be large corough to

contain two pean which doubl be used proferably of measurem. burk. Cordials, atministrat, and antispannodes have found a place in treatment, and have doubless been useful from the fact that they releave largely the daudence which often approvince the symptoms of mardiar disease.

The the fat of Alignet 1880, I was called in have to a streng fifty three years of age, a machined by trade, weight about two insidered and thirty pounds strong, a good sater, not strendy temperate, using stimulates freely at intervals, but not habitually. Found him soffering intervally. Removed attacks of the distance tent. Dith, Nov. 2d, and December 15th, frightfully arrest Treatment strong chloric either, around expellent animous, chloroform, and hypotherise rejections of morphise, which gave a low town of along followed by extreme architect. At the around attack I need the interte of empt without effect, perhaltly in communities of the medicine formy a silbort effect, perhaltly in communities of the medicine formy of fresh. At this time I extrest from the family that he had taken the same remody or Milesaukov where he level, and but the first attack in 1878.

At the time the disease mentioned four or five days at each march, the parentymes being from one hear is one and a built. They came on during the night, while in bed. (Feed mirrie of most artist or other remotion but nothing this permanent good. His most attack was in February, 1882. It began to book as if the disease was getting the better of as. About that time, forming read with great interest the statement of a case was similar to mice, by the Manthey Hay of the University of Edinburgh, which he had mated with nature of scalium, with great article store I gives how a solution containing two ands half grains to the manuscraft, so be taken before rasing in the microsing after distact, and at hed time, as doses of one or two temporation, with instructions to repeat the dose at any time when he felt indications of an attack.

He has faithfully carried out the instructions for more than a year,—obtains relief in from face to five minutes, and the relief is more perfect and tasting than that obtained from the static of anyl, without the flushing of the face, throiding and bendarks produced by the latter. He warks without difficulty to his place of benincias—walks up a long flight of states coult,—of he has any fours of an attack, he carries the medicine with him and takes it in the streat or wherever be happens to be—weighs 198 pounds, shape well, one well, and says the only disagreeable thing about

if is that some boars after taking it to occurate quantities of go, not particularly pleasant, but thinks that of trifling consequence in comparison with the redsel affected. March 1, 1865, he had a slight attack of angina, which yielded needed to ireatment, and again on the 24th, mother more never, argrevated by a cold, but passing off in a few boars. To my importing a few days since what he thought of the remody, the reply was, "I should have been a fixed man before this surhout it.

If then it be true that mitrate of sodium will prevent or releves the attack of angine perfects we have a remedy almost instellion cheap, easily prestrable, easily kept, prestring none of the disagreenite effects of nitroughyrenne criminals of anyl-

Stille says, "The symptoms following a disc of two drops of a see per coult solution of nitro-glycomes are said to be slight flushing of the face is rise in the pulse-rate subsequent intense puller, and a decling of faminess for a quarter of no hour."

I have given mixito of anyl for breakache to patients who have describely referred to take it a more of time, producing the incompaint in the bond, to the flucted face, giddings, throbbing of the least and the feeling of a head results almost a beauting. The arrite of a smar also wards off an actack for a much longer period than nitros of array, and somewhat longer than nitros gives inc.

Dr. Har, in May, 1983, where a mound article saying that to has in other case obtained outlemation of the value of the mirror. of sodimir in this discuss. He also correlatly tented the thoragon. he sales of other meeting external and metallic and of compounds of areyl other than the nitrite, durentinging contray the natrite of sofrem, while using the others. Later shift Dy Colles House Physician to the Walverlampton and Staffordables Hospital, in the Laurel grow poles of ram of un out patient Jerty-right years (b), who had for eight months previously ween attacks of angina projects. Came to the hospital August 25, 1883. For six scene has general condition was greatly improved by the nee of digitalis, own, eiler, etc., but the augusal attacks were not in the slightest degree relieved. October 15th he was ordered those grain boars of nitries of sodium; a door to be taken about ten more when before drong anything likely to bring on an attack. On the 1802 the following note was made: Since the little best taken four or few does daily, the stracks occur as soud but my very much sheater and loss serves. Som malks home from the min formary in twenty menties; formerly it not three-quarters of an boar at times considerably over the law. Increased the dose to five graves three times a day. Note, November 7th. Has been outfined to the best with an attack of neutr broadsitis. In still taking five gram doses, and finds great relief from its use."

As to preventive measures, the first duty is to improve the hears, For this purpose, "arsenic is invaliable," taken in the form of Fowler's Scintian, three to five minures twice a day after fixed sometimes increasing the dose for a few days. It arts as a special tonic to the heart. With this we should use iron strychnine, and nigitalise as indicated, taking mild but sutritions food, and excelled according stimulants and exchanges to avery knot, in the impressive larguage of Scington, "keeping the heart with all this pures for our of it are the issues of life.

ESSAY.

A PEW SUGGESTIONS ON THE THERAPEUTICAL USES OF CAPSICUM.

Br A. T. Dornas, M.D., New Lemon.

Capatrum, though long used as a conditional, has never obtained very much popularity as a medicine, not stitus anding the recognition of its physiological and therapeutical properties in various works on Manera Memora and Therapeutics, most of which are breedy summarized in the following questators——A powerful stimulant, eitheut carcetic offerts, neeful in dyspepus and alonic post, a good stimulant is palsy and contain bethangle affections and in low forms of fever, and locally in diphthesis and marks become Within the last owency yours a low proved as efficient nemely, while alone, or in combination with other medicans, in several series, and approximate intractable distance.

"Copiand regards it as almost a specific in distribute triung from partril matters in the intestimen and reportally when over stoned by fish."

In the Boston Samuel of Chamiley and Pharmaca, for September, 1888 it is also distant "Marchana common in to be a special in familiarities, four cases having been microsoftilly treated without a return of the disease. In the American Americal of Medical Sciences, for July, 1886 (page 241), in the Admining extract train the Daldar Motion Processed Common April 18 1886. It retent to a case of delirant tremens treated by Dr. Lyons with capacities. A disease does under too a local martialen. In less than our boars, the patient fell into a quiet sleep, and more three or four leases as imaginately awake perfectly eatin, common, and relevalescent.

"The results obtained by Dr. Lyons in the two of this drug,

fully bear on the expenses sequenced on a far large, while it should wanted in the West Ladies and in the McIrdle borpital not have their from severity to eightly cases are reported to bette from front I missionally by the sole use of this drug to steple or reposted down ranging from terr severals assemble.

"No gastric disciplines or other urplement symptom has

been at any time noticed.

As a stronglant of great and communic efficiency. Dr. Lyons considers that its amount may be combined by the direct influence it excells upon the gentric expansions of the eags and so immediately along the merbro-spinal content. You general employment it cannot be decabled that, as proposed on by Dr. Lyons, the me of capacitic offers many advantages over other opinion or digitals.

The decrees discount of Motors Science, January, 1965 (p. 248), and quotes from the Motors Print and Consider as follows: "As experience becomes to the great order of the advances. Dr. Lycus suggests the positivity of its containing a narrotte principle attherto united vices?" In the discount discount of Motors States, January, 1868 (p. 253), it is stated that "Further expensions has contained Dr. Lycus in his spinion of the value of expensions delirant treasure, ower expensity in those same in alrest spension has been tried and be tailed to province stems.

My selection one first directed to the metallices of capacitor by the late Dr. N. S. Perkins of Sew London. Just before triving for the use of war, in 1881, the ductor strained no rather stational inally to servicing the soldiers to use capaciton boots as a confition, consisting that it was the proper strendard in too clemates.

I whereal his suggestion, and found no difficulty in persisable,

the men to my it.

Where in come at Annapolo, Md. or the winter of 1881, we found an influence of coperation, ippearments, and the seed, the most efficient remark was the most templemone realisty with which or had in content. We also used it is the treatment of honorrholds in the minimum with the partner of potton and adjules and also during the following artifactor (in New Berns, N. C.), equations we much instance with quarter (in New Berns, N. C.), equations we much manimum with quarter which was very common and with good months is covery one. It is in private practice, honorier that I

have built the most experience in the most this veneral. For at least twelve years prior to 1878, many cases of severe and protracted intermedent favors, some of them of a suggestive type, cammader my algorithm.

My instructs of these cases was first, a brisk alterative cathurtie, either compound enthartie pills, or calonel and pilep: and follawed by a saline draugh). After the action of the purge a powder was given twice daily, composed of quints five grams, capatern one half so one grain and ipenemants one-quarter grain. The salese draught was generally repeated once or ratio a work. He is few very obstitute cases, double the amount of quala was used, tagmerer more than two down a day. Many of these same had been taking quints in two, three, and five grain down every few bours: some five to ten grains those tissue dails, with only a mitigation of the purcayons, those cases generally sucked promptly to the tuniquest above mustioned. During the woner of 1873-3, some fifteen or more cases of well-marked corebrospins; menunguis control in the town where I was then practicing medicine but name of them so servers, or so rapidly fatal as have been recorded mather places. About two-stirds of our cases recovered. The oldist patient was ever thirty years chit and was under homopathic treatment till a few hours before death. One was under two years, and all the others between five and twenty years of age The Beatment most efficient in this epidemic (if it may be so called) was as follows - Caloniel two to five grains, especian one to five grains, sporae, one half to one grain, every four bours; and a blister (we inches wide over the spins and calending from the exciput to the sacrum. After tupoverment commenced, which was generally by the third day if at all, redule of petassrum was substirated for the caloniel, and later on quinta was added to the treatment; and the expecture was continued till convaluence was assured. Ptyshine slid not occur in a single instance, and it is also worthy of remark that is no case was the supersum objected to by may of the patients, there appearing to be complete paralysis of tasto, a condition that has been mentioned by some authors as a path-grammic symptom of cerebro-quial maningitia

As a further equience of the correctness of our singuism, the only annapsy which we had the opportunity of staking, revealed not only meningual congestion, but patcher of partially regarded lymph in both brain and optical coul. The optimit resultment of this disease, so strongly commended by many, Legiste's a cottomely turnedons

Nervo-byperaence headachs, reperially that which occurs in foundes at the meso panes, a relieved by capsimum; one-half to one temporaful of the tracture usually affording relief in ten or linear mesons. It may be repeated every hour or half-hour; but the third does is selders required.

The burdacke estume however, at the text wouthly period, but it is generally as groupely released by the same does of the drug.

My expenience in the use of this remedy has been units limited, but at the same time to satisfactory, in the treatment of intermittent lever, indigention and functional hepatic devangements; in cerebro-spinal meningitis, and the treablesome headache attending the name-passes, that I have "great expectations" of its becoming one of the most popular articles of the Materia Medica; and the hope that its use by others may corroborate my observations, and thus hasten the realization of these expectations is my only apology for offering this imperion and hashly-proposed pager.

ESSAY.

THE TREATMENT OF STRUCTURE OF THE DESCRIPTIONAL

By PRANK H. WHITTOMORE, M.D., NEW HAVES.

So much his been said and written in recent jours in regald to the treatment of structure of the protein that one who has not had an opportunity to make a special study of the subject most often be embarranced in selecting a plan of treatment subject to any particular one. And yet contly every general specificacy has several of these cases come to him each year for treatment. Their frequent appearance in my own consulting-room has compelled me to devote considerable time to the study of the subject.

It is my purpose in this paper to possent some observations, from the standpoint of the practical surgeon, upon those melbods of treatment which have proved of most value in my own practices, and which seem to me likely to give the best results in the hands of the general practitioner.

On account of their comparative rarity, and in order to award extending the length of the paper unreasonably, all consideration of transmitic strictures will be united, and the discussion will be finited to those gradually forming structures, which are the result of a chronic inflammation of the prothest muccus membrane.

The most constant symptom of emcture is gleet. Conversely gives ordinarily depends upon structure, and usually stricture of large sali-line. A man cannot have a methinal doctories lasting over an works without demaging his methins. After a generation has lasted six works, the inflammatory process is heatman breaking, and a thick, using of the percursarial times is almost mention. At the same time, I do not consider that every man who presents himself for treatment with chronic mention of the

mestra, his an organic structure. It may be morely a thirlessing, which if advocat to go or, will develop into an organic structure.

Another very constant symptom of stricture, and the which is generally present in the forming single, is the dribbling of order after the set of medicinition is apparently completed. Thes is due to a loss of the normal elasticity of the urethm at the point where the deposition of plastic material is taking place, and the malnifty of the compressor medicine muscle to overcome the absorbing resistance, a portion of the arms is consequently retained behind the countrition, and subsequently occupied drop by drop.

Only old structures, as a rule count symptoms in the absence of a glorty discharge. Such strictures may cause a variety of arraptoms. Proquest micraritim, if present during the day, should buil the surpose to suspect stricture. He should also coupling if the structure is small feelest, or twistest, if the series talls deep by dropif there has been recention, and finally if the patient has had generrhers. These cases are generally structures of small calibre which may easily be detected.

I have known an old tight afromme of ten or fifteen years duration, to have been treated as chrome inflammation of the bladder with backs, alkalies and expositories, by a physician of the highest reputation. When a patient has chrome systems, it is always well to correcte what causes it. Enquire in regard to minary symptoms, and examine with a suitable informacial. It may be arrested in the deep needers. Such cases are not ancommon

In structures of large calibre, it is a nice point to tell where convetation is taking place. It is impossible to its itsis with a shed sound as most men try to do. This is shy as many men tail to find a stricture; while consequently, as many structures go unitroducted why. furthermore, it is an estiman for a man, who presents himself for treatment with a glast, to excisin, after a structure is detected. Why, Dr. Sound so told ma, a completed weeks ago, that I had no structure.

In order to detect a stricture of largo million, it is accessing to any either a pretheterior or a set of metallicor flexible believe longies. I prefer the isorges. My own experience, increase, has been that a moderate degree of constation a more readily detected by the flexible metruments, that by the elevelended bougies of Otia. Of course it is not difficult to detect a seneture of small califors with any metruments. It is, however, difficult for a man who has not

used both, to realize what a difference it makes whether one uses a steel sound or a bullions bringle for the distection of a stricture of large calibre. Repeatedly such have come to me with chronic generation or giret, and have told me that they have been announced by a surgeon, and assured that they had no experies. I have then tried a flexible bullions bringle, and uses it arrested in less than two inches from the meaning. Then I have tried a solid, blints instrument, and passed it right through the structure exploit the least resistance. But it is these very structures of large calibre which it is important to detect used onto before they become organized.

When the patient come to you, it whose methrs you suspect the existence of a stricture, you first ensure the executive eace of the penic, then learne in mind the ratio which this hours to the calibre of the normal unethin, you when a longer of such a vice as the measurement shows that the meatre aught to admit. Having well oiled the instrument, putting the penis gently on the stretch, you carefully pass the bouges along the urethra. If it enters the bladder without encountering any resistance there is no stricture. If a stricture exists, the hough will be arrested. Then take a smaller instrument and repeat the mano-sayre. and so contrains until you find one which will pass the point of abstruction. This shows the calibre of the structure. Then recogmining the well-known fact that, where there are several efricumes, the maner the meature the larger the calling of the stricture, the examination is continued in the search for other structures, a smaller and smaller austrament being used in order to also at the narrowings nearer and nearer the bladder.

Having determined the existence and location of one or more structures, do no more at this sitting. Warm the patient that the next set of unconstitues will probably be attended with some pare. Thus, having given him such directions in regard to his bygiene, and having prescribed such constitutional treatment as his individtal case requires, direct him to return in three or four days for further treatment.

Recry case of arricture should be treated as a whole. The physical condition of the patient should be studied. Most of the patients are run down, and in an assessin condition, due partly to the local irritation and suppuration, and partly to spental worry. Such patients need iron and general tonion.

Like everyother inflamed organ, the unethra, which is the seat of stricture, should be placed at not as far as possible. All sources of irritation should be removed. The sense should be rendered as universitating as possible. All articles of fixed which have a tendency to cause crystals of unic axid to be present in the unne should be articled. The diet should therefore be still and unstimulating, and the amount of introgenous food ingested, thould, as a rule, be limited. The use of all kinds of alcoholic stimulants, including beer and also should generally be stopped. Coffee and should be contined. Smoking, in my experience, has proved as injurious in some cases as alcohol, and should be forbidden.

In strictures of large califors with given, it is necessary to neutralize the firms with alkalies. The fluid extract of kava-kava I have used a great dual of late, and in cases attended with a gleety discharge, it has proved beneficial. There is a great difference in archive, some being very critable. Brounds of potassom was will do a great deal for these cases. Given in full discension of days, it blusts the combinity of the archive. A combination of beardwinese of potassa associates, and hyperynmum is offen very effective by rendering the arise alkaline, by lessening unwhall arresability, and by diminishing the glosty discharge.

Finally, the patient should be warned to be as pure in word, thought, and artists as possible. If a single man, he should abstain absolutely from sexual intercourse. The society of levid women, and laservisus thoughts and convenues should always to awould. In this way nervous and vascular activity about the govetal organs may be growthy diminished.

When the patient returns, if his senature word up to the required standard, it must be scharged. It should be a golden rule in our gory than all structures of the meature must be cut, for you cannot stream them. This may be done in several ways; some men performing a bestonry, some scinors, and others a unothersome constructed especially for the purpose, the best one perhaps being that of Civiale. My compractice is to use the latter. The incinon should always be made downwards in the stoor of the unother. In performing this operation, great care should be used to make the opening sufficiently large to admit a bulbons brough of a vine a title larger than that which our measurement of the periods as above that the unother should admit, in order to make allowance for the contraction which takes place in building but the operator should

also be cautions not to make the mension amoreosarily large, less to create an artificial hypospadius. If too large an opening is made, it subjects the patient to the excessing inconvenience of not being able to pass his water in a compact stream. In some instances, where a perhaps too embarasetic follower of the teachings of Dr. Otis has in the excess of his real carried the meision beyond the bounds of nature and of reason, the sufferer has been obliged to an down upon a vessel or water closet to uninate. In use or two mass, which have come to my knowledge, such patients have applied to the surgeon with a view of having a plastic operation undertaken for the relief of the deformity resulting from the barlaryus mutilation.

The hemorrhage following this operation is sometimes quite abundant but ordinarily steps spontaneously in a few minness. It, however, it door not do so, it can generally be arrested by wrapping a little cutton around a peate and applying some tincture of folline to the cut surface. The hemorrhage having enseed, a piece of but should be inserted, within the recents and allowed to remain intil carried away by the stream of times. This serves the double purpose of preventing union of the cut surfaces, and of tending to prevent recurrence of the hemotrhage.

There are several ways in which the potations condition of the meature may be maintained. You may pass in every day a fulla zad bulbous bourse, or a conseal stord wound, or a so-called fessal normal made especially for this purpose. I am in the fishit of employing the latter. Experience has above me that, if an instrutiern is not passed in overy day, granulations grow so rapidly in this situation that in two days ri will be empossible to pass it without subjecting the patient to a great deal of pain, much more than where it is passed every day. It is not generally accessary to conthe patient to the bed, or to the house after this sportion. He should butte the parts twice a day in hot water, and should not walk much for a day or two. In this way it is possible to also viate a tendency to inflammation at the site of the operation, and also in the offsicent parts, as the lymphatic glands. Should the would in healing show a disposition to become a hitle sloughy, in is well to dust over the surface with a little sedeform or bismath.

When the wound of thomestus has healed, which nenally occurs in about two works, the givety discharge, for which the patient sought treatment, very often has stopped. If it has not, we again explain the deeper portion of the unethra, using as before the Benible bulbous boughts.

Many strictures are reflex in character, and entirely deappear when the meatur has been subarged. The accessity of extering a contracted mentus before attending to a stricture of small calibrin the deep profilm, is illustrated by the following case.

The patient had gleet, and fire inches from the meetas, a so-called impassable stricture, through which a filliform brought could not be passed. He had also a stricture of large calibre in the pendulous proches; and a small mostns. He could pass only a little water, drop by drop, and I feared neteption. I at first attempted to pass a fillform listrement through the stricture, but failed, although a No. 14 American could could be passed down to it. Each time I mix him I purnished in the attempt as long as I dured draring lon. inflammatory swelling in the prettra should be seened. In the meanwhile he was kept in hed and received appropriate constitutional treatment. Having made a thorough trial of this plan of treatment, and being unable to reach the bladder, I threw auto the differn mitriments ignored for the time being the deep stricture, and give him a meatin which would whall a No. 24 sound. When the meatur had heated a tult-agest control steel was passed slows. to the face of the emeture, and gentle and continuous pressure was made. This was repeated once in four days. At the third trial the metrument passed immediately into the highler.

After the mentus has been sufficiently enlarged, should other structures exist, the question of treatment at once involves a determinution of the comparative metits of gradual dilatation and intercal urethrotony. My own profession is for goodnal dilatation which I carry out in the following way. Harring determined the califer of the stricture, a sound, of such a size as the halbons bugge last shown that it will admit, is introduced. If this passes easily, the next size larger, sixy, if possible, be gently passed through the stricture. Insurach as strictures are parely encountered beyond the triangular ligoment, it is not accusary to pass a sound beyond this point. By avoiding this, we not only do away with the next discressing part of sounding, but also lossen in no small degree the imager of exching spendynams promiting and eyetitle. Some surgeons advise that the instrument stould be sell in the trethes for five minutes or even larger. My own conviction is that when the instrument has passed the strictured point, it has

ac-complished all that it can do. I consequently withdraw it at once, believing, as I do, that any instrument in the urethra produces irritation, and that, the longer it is allowed to remain there, the greater is the irritation produced. By the simple preserve in passing the instrument through the stricture, all the good possible from this plan of treatment is effected. The way in which the use of a sound benefits a stricture dependent upon the organization of plastic material is in no way analogous, as many seem to suppose that it is, to the action of over-distontion in relating mucular. spaces. In view of both of these considerations straight steel sounds are both useful and convenient. In treating strictures of the unothers, it is a good rule to never employ a steel instrument of smaller exe than a No. 9 American, on account of the great danger of making a false passage. Furthermore, whenever in introducing instruments into the methra blood is drawn, it is time to stop.

In regard to the frequency with which sometic abould be introduced into the wrether for the cure of strictures, there is a considerable diversity of practice among surgeons. The older the stricture, the more firmly organized has become the plastic material and in consequence it requires less frequent introduction of instruments. These cases of stricture, which we will designate as strictures of small calibre, using that term to designate strictures which will not admit a No. 5 bougle, will improve faster by asl introducing an instrument more often than once in six, even, or even eight days. The exact interval appropriate for each individual case can only be learned by observing the effect mon that case of introductions at different intervals. As a rule it is poor surgery to introduce an instrument into an old, firmly organized stricture, more frequently. thus has been indicated. If a sound is introduced every day or two it causes inflammation or swelling, and you council tell how the dilatation is progressing. In treating strictures of large calibre, which as a rule are not as firmly organized, and in which as a conorgience there is not as much vascular reaction, the introduction may be repeated once in four days. Practitioners do not, it were to me, appreciate the value of gradual delatation because ther deand observe excelledly enough the effect of a single introduction of BOXDS.

At the next statt of the patient, the largest instrument which passed through the strature easily, is again passed. Then the next sace larger is tried. If this is grasped, or tightly held on withdrawal, no more as to be done at this time. Should it pass satily we again try a still larger one. Usually it will not be possible to two an instrument more than one say larger than that previously used. At each succeeding visit the same plan is followed, of first introducing the instrument which was introduced and at the previous cast. The size of the instrument is this gradually increased until the full calibre of the ureture has been reached. When this has been ultimed it is mercessary to continue to pass the full-sized instrument at such gradually-increasing intervals as experience slows are not so long as to permit so much contraction at the point where the stricture existed, as to needer the introduction of the instrument at all difficult.

The plan of treatment thus surlined has, at not experience proved uniformly accessful. In none of the cases which have fallen under top observation have I had accession to have recourse to internal unthreading periods access, or electrolysis. Dividion I have used only in some half-down cases of traumatic stricture, the consideration of which has been purposely excluded from the discussion. I will now stars briefly why I do not use one of the other methods rather than gradual dilatation.

Permeal section is undershoolly undicated in some cases of impass able stricture, particularly when complicated by unuses. But I have been so fortimate, up to the present time, as not to have more with any case in which I have not been able, by the exercise often of considerable patience to finally pass the stricture, and eventually to remove the obstruction, and see the simuse close up.

Electrolysis requires for its performance a variety of expensive apparetus which easily gets out of order, and is hardly practicable except to the hands of an expert in electrical treatment. In the short time since its introduction to the attention of the prolossion, it has not been enforcedly simplified to be available for the general practitioner. Any cases therefore in which it may seem to be not cated, should for the present be sent to the electrologist.

In regard to internal methrotomy, which has a few cornect advocates, I have but little to say. In operations upon the methra the best results, as regards freedom from disagreemely and even dangerous complications, will be obtained by him who uses the minimum of whitese. Furthermore, it is a rule of practice with tax, in the invations of any integral levies, to always exist a

method of treatment, which while us final round is satisfactory, is at the same time abeliately free from danger, in preference to and which is unpostionably attended by no mensionable mis-Gradual dispation, in almost every case, gives favorable results, and may be carried on with perfect safety, and without interfering with the outlinery bisiness of the parient. Internal methyolomy, on the contrary, always necessiales the condustrate of the patient to his hed for several stays. It is not unfrequently followed by benerringe, suppression of urms, septiments, extravasation of urine and periosal above. Not our the fact he everlooked that instances of death following the operation are occasionally report-- and, coundering the nearlinest strong medical man to report favorable cases, and to my nothing of unfavorable once, it is but for to presume that the actual mortality is much greater than is generally suspected. Maryever, the operation does not affect a complete cure, but the passage of a sound at regular intervals is just as necessary as after treatment by gradual dilatation. Now and then an old, every regions stricture is met with which a made worse by attempts at dilatation, or one, in which blaider symptoms are so import in consequence of long continued obstruction that prompt resid is necessary. Unethral lever sometimes follows afternyls at gradual dilutation in cases of this kind, which, however, are more aid to be seen in metropolican hospitals and dispensaries, than in private practice. Internal wethrotomy should therefore by reserved, as a bad resort, for cases in which other, less dangerous methods of treatment, after repeated brials, have failed, or to which immediate relief is imperatively demanded. I are thoroughly continued that such cases are exceedingly ranc-

Finally, I wish to emphasize a few points which I consider of especial importance

First Countrational treatment should be employed in every case.

Second: If the means is small, enlarge it.

Third: Do not use the sound too frequently.

Fourth: Do not keep it in the arethre too long.

Fifth. Do not introduce it too lar.

Stath: Internal unthintency is occusionally, though rarrily, necessary.

ESSAY.

SUBGICAL NOTES FROM THE CASE BOOK OF A GEN-ERAL PRACTITIONER.

By WILLIAM C. WILL M.D., SASDY HOOK, CONN.

In personting the following rases, from my private practice, for your consideration to day, I am influenced by a three fold metico.

First. Because the cases are of real interest, and deserve a public record.

Second Because they identrate, forcibly, that the general practitioner vsey perform important capital operations, with the ordinary degree of success, quote as well as the specialist, and

Third. Because I believe it to be the duty of every member of this Society to present to its members for their comideration, say cases which may prove of value in a clinical sense, as well as to add to the interest of the annual volume of transactions.

At the outset, let me say that I am a firm believer in a modified form of Lieterem, and most of the following operations were perfermed under antiseptic precautions. While all the details of Lieterian were not carried out, yet the excitout attention was paid to details, the preparation of the patient eleculians, and the spray-The latter was not played upon the wound on the patient, but, maker, made to till the corn with a thoroughly antiseptic atmosphere.

Using this method, I have performed in three years, secretynine capital operations with her four skinds. They were a case of total extirpation of the interns, regimal method, for carcinoma; an exsection of the hip joint; an amputation at the altow,—railroad accident from train; and an ovariotomy. I desire, here, to acknowledge my inmedication to Dr. A. W. Leighton of New Haven, by the degree drawings accompanying this paper, most of which were taken from life, and, in some instances, during the operation.

A SEVENE CASE OF THAUWATIC TETANOS. SECOVERY,

Cases of tetantic, of any character whatever, which recovers are of exceeding interest to the general practitioner, and when they approach in accounty the following one and then get well, the therapeuties of that case are engerly assumed, and stored up for fature use. In an active practice of marry fifteen years, I have never met with a case of the same degree of severity as the one have in recorded. After the second visit, it did seen that it could not terminate otherwise than fatally, and this idea alone prompted me to use the heroic measures which were, subsequently, adopted.

While the medicines used are not new to the profession, still I think that the does are phenomenal and I attribute to their size the recovery of my patient.

Frank N a resident of Newtown, Conn., 21 years of age, unmarried, American, sent for me on the night of February 12th. The messenger informed me that he was larring fex, and that some of the family thought that he might have taken an overflow of landamum. As you may well amagine, I went as quickly as possible. On my arrival at the bedaide of the patient. I found him perfectly conscious, but suffering, as he informed me, from inward chills, and his attendants said that he had had a number of illudefined convenience. On making mounty as to the has, tors of the case, I learned that on the week previous he had nut. his knoe immediately over the patella with an axe, that the wound had healed entirely, and that there was at this time no evalence of the injury, save a well-formed cientrix. For a few days previone to my visit, by had complained of pains, more or less severe, is the limbs, and the various muscles of the body, creeping, chilly sensations up and down the spane, with quite probousced chills at night. His head had ached, more or less, he had had but flashes afternating with chilly essentions, and, finally, pronounced muscular poins all over the body. His temperature at this time was 101.25, his pulse 126, full and bounding. After a careful examination of the case, the theory of spinin primaring was abundened, for the obviour reason that more of the symptoms of that combines were presont, and I was inclined to doubt the theory of convulsions, on the

ground that there was not present at the time of the examination, rafficient endeace of that degree of exhaustion which we would he very likely to find after a case of the kind described by the patient's friends. He was rational and answered all my questions correctly and promptly. After traiting a reasonable length of time for the return of the life, as described, and some appearing, I made a diagnosa of a probable mederate congestive raill, the locality where he resoled being particularly malarious. I gave directions to have him take an eighth of a grain of morphia every two hours, to quiet his nervousness and overcome his slarm, and ordered him an enema, consisting of an ounce-encl. of seems leaves and specin salts, steeped twenty minutes in a quart of hot water. to unload his lowels. I also ordered him to commence taking two grams of quinine every two hours on the following morning, and left him with a promise to see him some time during the next day, Professional sugargements, however, over which I had no control, prevented me from using him at all on the 14th, but as I was on my war to his residence, early the morning of the 15th, I such a moneugor coming for me, who informed not that the patient was were much wome, and arged me to be as expeditions as possible. In a few minutes I was at his house. On succome his some I. found four men trying to hold hase in helt. He was in convulsions. passing from one to another with great maility. They were of the nost frightful clustscar I have ever witnessed. The country not was perfect, the weight of the body rosting upon the occipatand heels, the consum of the body making a parfect bur. The convalsions followed each other with great rapidity, repeating thomselves again and again, until it dot seem as if exhausted nature would executib. Bitting-down by his bed-ends I administered some chloroform from a napkin, and, after some little effort. succeeded in getting him under its industre. him it was only when fully assestingthed that the emphisions consent. I mayor with him about two loans, and by watching him closely, and giving him efforedarm aborally, I was coulded to steep the convulsister tarriy under control. On leaving him I ordered the energion in one-half grain doses, and, directing that the chicerdorm about be continued whenever the convulsions estamed. I promised to say him early in the evening and, if necessary, stay all night with him. At almin 8 o'clock, e. w., I would him again. From mile mation gained from the triends I found that he had been easy

only at short intervals during the day, and then, only when under the influence of the chloroform. The repeated and large does of morphia, accomingly, and no affect whatever. On entering his bolroom I found him in a most distressing convulsion, which I cut short by a very free and prompt administration of the chloroform. After getting him quiet, I gave him sixty grains of ethoral hydrate mixed with sugar and water. This he retained well, and in the course of twenty minutes, I became satisfied that there was an ingressment in his condition. Another convulsion throughing at this time, I administered unother does of the same roundy and of the same size. After this he became quiet and del not have another convulsion for two hours. Being compelled to see another trigarit case, I feet him with directions to give a like doss every half loop or every twenty minutes in the event of the return of the menhoon. This was the only medicine that was given after this. - the morphia being storped, - except that the chloridorm was administered to help the chloral whose it would not central the convulsions sufficiently.

In the meanure the bowels had been thoroughly unleaded with the enems, and the skin was in a little better condition, his pulse. however, was 144, and his temperature was 1945 Fahrenheit. It estimated by his freeds, and I do not doubt it myself that he had had from seventy. Ive to one hundred convolutions in the prorious (wenty-four hours. During that time a marked redness appeared at the edges of the country on the knee, and did not disarcsur till convalmence was fully established. For several days the convenience retiremed many times, but under the continued administration of the chloral in large down, they become less and loss suyers, and loss and less frequent, until the 28th of February, when they esseed entirely. The choral was given every two, three, or four hours, during all this time, the whole amount comsumed being six conces and a half, besides the administration by inhalation of two pounds and a fail of chiendern. 20th he was put upon large doses of the bromids of polassons, a for some - sixty grains of calcoal - being given at builting, in order to more a good night's rest. Soon after the corrulators. count, he commerced to have a revenue appetre, which is was exceedingly difficult to satisfy without involving with his disvethere. The policies aroungly, make an excellent recovery, and on Finder, the 27th day of February, I made what I supposed to be

my last visit, knying him in most excellent spirits and complaining coly of muscular soreness. I cantioned him against leaving his room or going out doors for a week; impressed upon him the necessity of great cars in his diet, and the avoidance of unduexcitement. Two days afterwards (Sunday), he insisted upon being taken to his home about a mile distant, and upon his arrival there made a very hearty susper of indigentials food, winding up with some cake which had been fried in gresse. The result was that believe midnight he had a relapse of his trouble, and before I saw him the following amening at six o'clock, but had that wore commounties convaluous. He was immediately put upon the 14th treatment the chloral administered in large and repeated dusis, and, after a long and severe illness, suffering two or three relapses. he finally, after the expiration of seven weeks, entirely recovered. His nervous system long showed very prominently the terrible ordeal through which it had passed, and for a time exhibited all the evidence of that nervous trouble so care in the male-Systems.

HERSTOTORY AT 79 .- LECOTERY.

The 16th of September, 1884, I received a note from my recessed friend, Dr. A. L. Williams of Brookfield, informing tothat he had a case of strangulated Lernia, which he had fieled to refuel, desiring my assistance, and requesting me, if recessary, to operate. Taking Dr. L. N. Wilcomon, then residing in Neurtown, but now of New Haren, in the carriage with me and prepared with the necessary instruments, I at once sepained to the house of the purbout, where I found Dr. Williams awaiting mo. The doctor way kindly gars mothe following history. Michael M aged 79, had for a number of years been suffering from a large regainal hereia of the right side. He had worn no truss had made no special effort to keep it in place, and though several times it had coused him naneyance, and a little sickness at the stomach, due to incipient strangulation, still be had been able to reduce a himself up to this time. Twenty-four hours before nor arrival havever, it became strangulated. After a prolonged effort on his part to reduce it, and failing in the attempt, he sent for Dr. Williams, who, between that time and the hour of my sind, made every attempt to reduce the strangulation by taxis. Upon examination I found all the extinues of strangulation, in a well-norminal Irrida

man who metred to be inflering considerably from prostration, induced by his condition. I national that he should be placed under the influence of an annualizate, and taken in that condition tame performed, facing in the alternat, that the see should be improved, and if that failed, that bermistomy should be protorned.

These alternatives being bold before the patient and the family, they decided to burse the matter entirely in our burde. The patient was placed under the influence of other by Dr. Wilcomen, and while deeply anaethetical, both Dr. Wilcome and signed made sameet offerts at taxis, but suthern avail. A fine espiratory mode was then pushed into the second a constitution amount of flood and gas withdraws, taxis was then again applied, but without our case. I then performed be minteny as the again applied, but without our case. If then performed be minteny as the again applied, country the same and with considerable difficulty, returning it to the abdominal cavity. The patient was under the influence of the anaethence about an hour altogether. He railed from the operation money, and made a rapid recovery without a single uncovered symptom.

The after treatment was conducted entirely by Dr. Williams. Who deserves great credit for his skill, as I did not use the cale agen until he walked into my office a month later.

The result of the operation was all that could be destrot, and though the case was an exceedingly unfavorable one, it is upit me the important lesson, that even people of naturess are undergo formulable operations, and recover from grave constricts without any special constitutional manufacturisms.

AMPETATION REAL TWO SECURISES JOINT, FOR DENSITYS TOLDWISE BEYORKLAS - EDUCATORY.

April 26, 1883, I received a message from my briend by Hill of Stepney, calling me to appoint the time, to see a sees of gar-gross of the arm in a negro who would, probably, require suggical and. I appointed the following morning at 10 o'clock, to ston Dr. Him which I dol, at the residence of the patient, and obtained the following buttery.

J. M.—, acgre 19 years of age, was suidenly taken ill about three works previously with all the symptoms of malaria. On account of the color of the justicet, it was impossible to find any description or amption which would lead the status to suppose that it was what it subsequently turned out to be, a case of eryspeelas, and the doctor's first question to see on my arrival, was, it how would you diagnosticate a case of eryripolas in a sugge in its mody stages ?" I confessed to him I did not know, and I confess now I So not know. In about a week from the beginning of the attack, abscesses appeared along the mase and outer surfaces of the arm, fore-arm, and hand, which was the first indication that the doctor had that be was dealing with a case of crystpolas. This condition went on from had to worse, till it mysited the whole of the relialar tions of the arm, fore-arm, and hand. Large abscooss formed over the pectoral muscles, until, at the time when I saw him the arm and side presented the most frightful mass of putrid fiesh and decomposed turns that it has ever horn my printlege to see attached to the living human body. The patient was asseminexhanated with long suffering, no appetite, constituted howein a high temperature, and a west and rapid pulse. Preminers again of dissolution were present, and I must confess that it was one of the most unpromising cases upon which I was over called to openside. Nothing could be done for the patient save an operation at or near the shoulder joint, and even then it seemed like sacrilege to operate upon a man who was, apparently, so meatly exhausted. After a long and earnest consultation with the doctor, we decided to give the patient the only charge we could see for his life. He was given a large dose of whisky, after which Dr. Hill put himunder the miliance of other.

When the patient was fully anosthetized I performed a double flap operation, amputating I i stakes below the shoulder joint. It was a difficult matter to obtain mound entanceus flap, as a large parties of the massles of the arm were fully exposed, the skin having sloughed away, having but a seasty pattern for a strong solution of earlield sold (one to twenty), inserted a dramage take, and brought together the flaps, as well as could be done under the circumstances. An incision was then made through the connective tissues from the axilla down to the ilium, seven incloss and a half deep, exacusting quantities of pus. The matter thus opened were thoroughly cleaned with a strong solution of carbolic acid, and the wound left to bead from the bottom by granulation. The operation lasted about half an hour, and the patient milled from the affects of it very slowly and imperfectly. After a very tedious

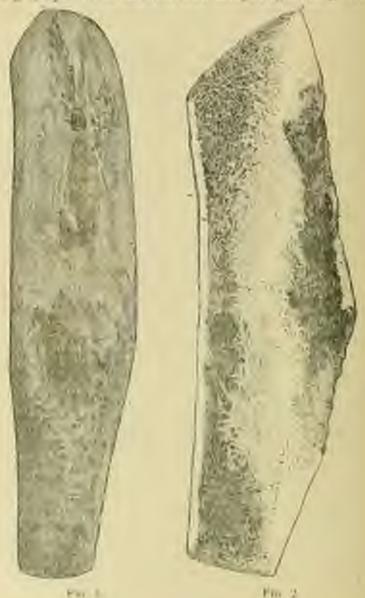
convalencemen, however, he finally recovered with a most excellent stamp.

I have the case only once during the after-treatment, and the result is due, largely, to the case, skill, and fidelity with which Dr. Hill conflucted it.

RESIDENCE OF THE EXTERN STAFF OF THE TIME FOR NECESSARY, WITH BUTCHFOLD OF THE BOSE. - INCOVERG.

May 8, 1883, I was consulted by the parents of Willie W----in relation to a running sore on the shin of his left log. On exterral examination I found three openings leading through sinuses, which were found to lead to flead bone. The tibia was much enlarged and the boy showed a decided timp in his guit. He suffered considerable pain, especially at night, which had been controlled clearly by anotypes. The boy was twelve years old, with hereditary screenious tendencies, and had the history of a fall, striking his ship violantly against the iron rail of a railroad crossing, cansing, at the time, guite a severe continuon, which was followed by combdemble inflammation. Soon after the bone commenced to onlarge, and had continued to increase in soo up to the date of my first visit. The simuses had opened about a year belove and contioned to discharge ever since. The boy's general health was poor, be giving every evidence of the exhausting character of the discharges, and it was quite evident that the injuries be had received three years previously had lit up an inflammation of the periodeum. which fed to grave destruction of bone fiscue. It was also quite evident that if the impairment of the general health was allowed to grow, the result could not be other than death, and the struggle argumently, could not be a long one. I alvised operative interfromer, of exactly what chancier, however, it would be hard for me to say, until after an exploratory incision had been made. The family consenting. I put the boy upon a month's preparatory treatment, petting the segnetions in perfect order, building up the general health with end liver oil, iron tonies, and liberal diet. On the 11th of May, with the accessment of Dr. J. J. Berry of South Norwalk, who kindly administered the other, and Dr. S. T. De La-Major of Bralgaport, I made an incision along the line of the tiles. down to the bone. Cutting through the diseased periocous and carefully lifting it away, I found the bone to be builty discussed, so much so that after commitation with the two physicians it was

decided to remove the entire shaft. The condition of the tone will be seen by consulting Fig. 1, which expendents it as removed. Fig. 2, represents the same bone sawn through longitudinally. In



the nemoval I was queticaledy careful not to injure the portocloum, positing it up cantiously, and as meanly as possible, looping it intact.



Polit Ti

After removing the shaft, a complemble quartity of diseased bone, at each end, was removed with the gauge. After this was all removed. I packed the cavity with absorbent cotton, moistened with a solution of cartielie acid juge to teams). The boy ralliest nicely from the operation, and under the influence of the same trustment. that was pursued in the preparation of the case, healthy granulations spring up and there was soon evidence of the production of new bone. After two months, the new shaft was strong enough to allow the fitting of the shoe to which were attached bence at the tide, with the joints at the ankle the upper ends of which grasped the limb just below the know by a steel publish band. By this time the external wound had houled, and the boy was put upon cratches. From the time out, the progress was unjuterrupted, and Fig. 3, accompanying this paper, will show the limb as it is to-lay. The title is now strong and well formed, and the termination of the case is all that could be desired.

A POSSIBLE PARK OF PAIRTY DO THE HAND WITH BELLEVANT.

It is selden that a surgeon sees an injury of the character of the case detailed below, involving as it did, the crushing of the bones of the figger, and to a certain extent, of the hand, with severe increasion of all the soft parts, which were builty herped besides. It is still more infrequent that a case of this description recovers the use of the part involved, with or without more surgical interterciors than the simple dressing of the injury, and the care which is would intuinily demand. This case illustrates forcing also the power of nature to receiver from severe injury, without much deformity or impairment of the medalness of the part.

Patrick C.—, an Ironnan, agod 44, while working in the latery of the New York Belling and Packing Company of Sainty How CL, men what is entired a calendar machine, had has hand drawn between two bears rolls and injuried. These rolls weigh about two one apare, revolving only at a distance of a exteerfuied on inch from each other. The upper roll makes three revolutions to one of the under. While in me, the rolls are filled with starm and lenied anywhere from 80 to 200° Fahrenheit. At the time of the accident Mr. C. was running this exactline by the purpose of specified three over some content goods. His found was ranchedly certain to the under roll, when it was subdenly descriter. After the machinery was storped, which was very quickly form, he had to keep hes hard where it was until the immense top roll was raised from its position and his hard pulled ten, which accupied some motorists. On my arrival I found, on nanomation, the following condition: The hard had been drawn into the maobine to such a manner that the pains was turned upward, and, as a consequence, the dornal surface was but little injured, awing to the fact that the lower roll was only a limbs warm at the time of the socident, and was going so slowly, but the painter surfaces were fear-



fully lacerated and second, so that they were only, with the field adherent to them, about an eighth of an irch or thickness, the benes being budly crushed. I forgot to state that on examination I also found all the ligaments of the palmar explare were in size, and more or less cooked. The thumb was unsujured, size that is was builty bound. To make up, however, for the immunity of the thumb from injury, the second forger was terribly becomed. in was not may havily crashed and reviced, but the end, as for as latter the first point, was literally torm of, hanging by a little steep of integrances. I desired to remove this, but the objections raised



by the family and the purhimself were so great that I was formed to descet, and part it negether as well as I could. Atter area to garranted avil logether, I dermet them with a solution of carbolic arid (on part to farry). directime that it is applied tresh seery fifteen income The enguerous Figs I and 2, with about the man jun it was too days after the ingury was reserved), in its palmer and dones sayeris. The dressing was estimated changed for an olutment of earbelia and, made of 28 parts of controlling to stand the soid. In spite of the extent of his rejurne, the man made a good recovery. having only two stiff fingers (the avene and third), the

other two being absorbes good as ever. The house never recorered from the flattening process to which they were subjected, and to this day (three pears), see not more than three externilla of an inch in thickness. Fig. 1 will show the result.

A DESCRIPTION OF CONSCIONAL DOTAGE TAXIFFE TAMINATING OF THE STATE OF TAXIFFE TAXIFFE

The subject of talipse is one of deep interest to this progressive surprise, and any case which will give reliable similar data. It suggests sought after by him. I think the following case is so unique in erapy of its particulars, that I am constrained to get it on moved by the taught of source. As a rule the operation of tenotone for the roled of talipse of even simple character in the shift, does not bobb our great encouragement for definite results, and operations of this character are governily discouraged, accept under certain circumstances, by leading orthogonic authorities in the tent-books upon this subject. In fact, it is rare to see an account of each cases, whether successful or anserconstit, by aven prominent operators. This fact, alone would lead us to believe that it is not community performed, consequently, when the results gained in a case are in gratifying as in the into herein recorded. I think that it is my duty to present it, to be artified to the queue of the unional operations for the reset of this determity.

Mrs. H-, a married woman children 31 years out, value to me in the latter part of the month of Federary, 187s, and gave me the following history: She said that she was born with both feet deformed in the same degree, that she had as a child been sorvous and delicate, and of an extremely southire and retiring disposition. Being of a feeble constitution, unlike other children. it was a long time before she learned to walk, and other she did, the was only able to go a little way at a time without fatigue, The difficulty of walking continued, more or loss up to the time when she first consulted my. A fairle extra work, or exertion, would cause the sensitive feet to become so nore, inflamed, and tender, that the world have to positive thou, lying in hol for days at a time, in redor that they might regain their workal confullon. She also informed me that when she was nine years old. while crossing a tyo field where the grain had been harvested a large stubble penetrated any of her feet (as she mid, the sole) outling it hasty. After the receipt of this arcident, she was taken to her horse and was contined to her hea with a builty swollen and exceedingly painful hot for several works. When its recovered, the position of the first, to her exeption had growtly changed for the better, and commencing to use it in the natural way from this time, the after several receibs, exceeded in restoring it to its autural position. This was the left foot, and if you will consult Fig. I, you will see that it presents a nearly normal condition. The pines of the mulble which practitated for foot, performed for this woman what the surgeon would have done had he had the opportunity of operating. It is quite or blant the plantur facts was cut and probably come of the tendors, releasing the feet from its position and actually performing the operation of treatons. I

think I can subly claim this so the first operation of this description, done is the manner, and by these means, for the State of Connecticut. On my examination of the patient I found for scaring a show thinged like a flat-iron. On the removal of the show I found a new exaggerated case of talipes three equinus, the worst I ever now. The foca was frightfully distorted, as shown in Fig. 1, and the callons specie which had formed on the lateral surfaces were inflament and exceedingly pointed. These patches of threkened



skin were very large, and organist almost all of the external lateral surface it the five. There was also counderable adjacemation of the troops surrounding these lambered phase. After several days' effort. I succeeded in reducing the inflammation, and making a careful examination of the first, by applying the test of Dr. Sayro, of parting the against a months stretch and making pressure, I get as a result a reflex spaces.

Acting upon Dr. Sayne's theory of this phenoments, I advised

the operation of tourstarry, as offering the only means at affording any degree of permanent rolled. The woman is had then present condition, was disgusted with life. She did not take any comfort in walking or exacting upon her fact, nor small site, without pain, perform any of the duties which devolved upon her, and which required the use of her law.

She being a married woman in moderate commetances, it was meanism upon her to perform flating which compelled her to be



Yr. 2

a good deal upon her fort, and, as a result, her condition was setarable indiced. See eagerly grouped at the tries of the relief, which I held her I thought on a point on would abord her. In suggesting the operation of benchmay I fell sure that the case sould not be made any worse than it was at this time, and the chances were good for a certain amount of roles, provided the was thorough in carrying out the treatment subsequent to the operation, also promising tooling to do all in her person. On the Toth of March, the same year, amount by Mr. Egan, a studient in inposted, I placed for under the insurance of other divided the tendle Actuals and all of the planut fasces, with some of the insural ligh-



ments and facets. I then adjungsed to bring the fact record to me normal condition which I flurily accomplished after some offers, and the reduction of the delecated tamed from . I then decend the fact after the Sayre's method, and no inflammation course, I did not present the decentage for two marks. On their removal at the expension of that true. I found a small used which was to denote on the right lateral squeet of the face, at the face of the lattle me, produced, emissally, by the primary of the burnings.

The skin afterward eleughed, to the size of a twenty-cent piece. This sore, the only assistent which impossed from the beginning to the end of the case, was recomingly stormats in applied, owing largely to the debilitated condition of the patient. From this time on manage and electricity were takinfully and anotherply applied for nearly two years, with the result of developing the samples of the calf of the leg to a great degree, and also of strengthering and developing those of the foot. In about a month the patient was just in a short made for her by John Reynders & Co. New York City which need from the time to high up above the audie and which but an artificial torocle attached (Barwell), to help the weakened muscles of the foot. This shows applied, will he seen in Fig. 2. Al this time I had the great pleasure of showing the case to my estormed friend, Dr. Lowis A. Serre of New York City, at time time on a riet to me home, who was greatly interested, and who gave valuable advice as to its subsequent rare and treatment. From this time the case went on to unknowingted recovery, though it was a long while below the could go without the number and reservated the full saw of the foot, -in all about two years; now, lowerer, after a lapse of nearly six years, the can use it for every purpose that a good foot can be put to, and without under fangue. (See Fig. 8.) She also dance on it, and is also to walk fairly long distances. I think that in cases where the deformity was so great, the operation so severe, the patient so advanced in the so good a result like racely bett obtained. I would add aim, that tan woman is now in good health; it being varily better than that worth ato had enjoyed before the operation.

A CASE OF REAL VALOUR IS THE APPLY - CONTACTOR - CORE

An operation for the mind of the abdoranty culted "gene valgam," in the earlier years of life a not an anomalous regional procedure, and has been performed many tenes both in the country and abroad. The result of the importly of these cases has been exceedingly good, and the operation is quite popular among the surgious of feeling. Surgical operations between for the reliaf of the large in persons who have reached the age of 26 and appearing are raw, and the results obtained in many of the cases operated upon were not such as to lead to its general adoption. The cases of this deformity in the shall are also sare, and the opportunities of operating correspondingly few. In Europe it has

been performed quite a number of times, and with moderate sursess, but in the United States I have failed to find a single case neorded which has been operated upon after the age of differen-Neither to I find may ease in which the deformity has been removed in America by the medical solveneed in this paner, and which was performed with such excellent results. The age of the patient, the length of time the defencity had existed the method of operating, the most excellent result, with the interesting leaters of the case, make it. I believe, a most important one to place upon record. The subject of knock-knoc has exused more or few discussion during the fast seven years, in fact, more than any other orthogodic condition, and the literature on the subject is enterious. The researches of Mikuliez, corroborated as they are by these of Truder, Vernezil, and Guenior, show that the deformity is not due. primarily to any abnormal condition of the ligament, but to an unmatural shape of the bone, which consists chiefly of a projection of the internal conditio downward.

The, it is claimed at the result, partly of a disphysical curve, and an integral hone-growth on the two sides of the disphysic near the opplywood line the weight of the loody acting upon the change of axis produced, helps to complete the deformity. The contraction of the hamstrage, so often noticed, is not essential to the dedocutty and is not a recessity factor of the same. If his, also, been about by Olber, that an invitation of the condyle will, slone, cups telerantly of these parts. Mr. Broshurst, however, does not consider the lengthening of the condyle as the curse of the delocately list from my personal experience and the result of the adviced of this opinion by Miknier, and by the most priminent orthogoale surgeons of the day, I believe it to be the correct one. The mode of operating which was carried out in the case hore toported originated with Mr. (tysten of London, and it recent to no to be the less) yet derived for all the

Miss State P——, aged 13, Attention, single, solved teacher, stry stort, stription order to height, some to my office or the 1th day of September, 1983, and gave me the following history: When she was obvious mentionally the spin taken ill with what was called chronic distribute. At the time of the attack site was able to walk and our sometimed a remarkably processors and analthy chief, well-desired in every way. Her illness was a long on and a was usually a year before she recovered from the distribute. At



Fig. 1.



this time the was very weak, and showed a decided aversion to standing up. When three years of age the family moved from North Carolina to Contecticut, and she was then no larger than a whild of circleson aunths. After her removal to Convenient, she old not walk for nearly a year, but wanted to sit with the left foot. under the body, and would cry if it was put down. The halor of satting on the foot was kept up, almost unconsciously, until the operation was performed. When she arrived at the age of four years, the was jett upon her feet, and after a little while was able to walk a short distance with the and of a sinff. It was at this time that the inclination of the knee, to turn, was noticed, but it was becord that as strongth was restored in would regain its natural position. This happy result did not occur, however; the limb grow no worse, and when she was unse years old she walked to school without any staff and without any apparent inconvenience. From this time until she was eighteen years old, she could make even two or three rules with no more trouble from that himb than the other. At this time she passed an examination and became a tearber in one of the public schools of the mate, walking a mile to the school house and back every day besides bring on her feet almost all the time at school. From 18 to 10, she could not walk as fire and began to notice a difference in the magte at the knee, which was also painful at times. When she arrived at the age of about 30, the hip logan to arise and as she described it, "as being acrompanied with a much disagneeable being right in the joint," the spot essented as if II could be covered with the duger. At this times she also noticed when she walked further than usual, therewould be a catch or crump, which would prevent the stop from being taken for a moment, when it would end and then return again after a time. It was at this time she came to consult me. I found her complaining of a severe prin at the arkle and hip joints, as well as a great deformity, as is shown in Fig. 1. As an example of pinck: I would incidentally mention here, that she had schooled berself to walk slowly and deliberately, and on her entering my office for the first time I did not notice a bit of hair or finp in her guit, and was amount at the extent of the deformity she doplayed. In order to namely myself that the deception was perbot. I afterwards made for walk, soil she find not make any sign that would infinite a deformity or may sharrefter whatever As will be seen by the accompanying drawing the determity was

very great, but even this does not show it to its full extent, owing to the position in which the position was taken; to show the full obviation of the hip. The left knew completely lapped over the right one. The patella was entirely dislocated and rested over in the external condule of the femur.

After a careful examination, I told her frankly, that I stid not think any appliance would do her much good, and in onlor to get the



desired relief, I believed a radical operation would be necessary. To this she decidedly objected, when I decided to put on the instrument shown in Fig. 2, and for the purpose I went with her to John Beynders & Co. the instrument maters of New York City, where she was measured for the splint. While in the city at this time with her, I took her to Dr. L. A. Sayne's office, and showed the case to him. He said that it was a most unique one, and advised an operation telling the putient the danger of a fracture in case of a fall, etc. After the splint had been tried lenthfully for execut months, with title if any relief, and the pain months, with title if any relief, and the pain months, greater at the tip knee, and ankle, she finally decided to have the operation performed.

After two weeks of proparatory treatment, on the 4th day of June, at the Grand Control Bond, Newtown, Coun., in the prescare of Drs. J. J. Borry of South Norwalk, Dr. S. T. De LaMotee. of Bridgeport, and Dr. E. M. Smeth, of Dunbury, Conn., I performed the following sports on: The patient having been placed under the influence of other by Dr. Beery, I made as incision one and our tall meles long, and two and one half makes above the inser corelyle of the femur. This incision was carned slown to the bend, its length - which may seem unnecessary, - was required became the patient was so flothy. A flayes now was then introduces into the wound and the work of saving was commenced at the base of the condition the blade of the new being proterted by two nutractors. After saving as long as I could get the instrument to work, I took a classi and with one or two blove of the nailet owered the coulyle from its strackment. I then performed suffernise in tensions of the external lain string tensions. The constricting bands and contracting ligaments were also sayand, and with but hills effect the conditiow is pushed up by the side of the shaft of the femur, and the limb was brought round to its natural position. The only accolent that happened during the operation, was the cutting of the percusal nerve, which rups close no the tendor of the bicops records.

Fig 1 will give a fair also of the case after the overing of the conclyle, and past before the straightening of the limb tack place as well as the position the fragment occupied after the bath has been brought into place. The would was thus brought together with interrupted entures and dround with antiapple carbolised game drowing. A weeken stocking was then

drawn over all and a platter of parts tundage carefully appoint and allowed to harden while the limb was hold in position. The speration occupied about an hour, and after the drawings were applied, the patient was put to bed and given bail a gram of morphice hypodermically. The patient did unusually will after the vomiting from the effects of the either had perced off; not an intoward symptom superroung from the day of the operation to the close of the correlescence. A large drainage take had been passed through the engles of the wound, which was then irrigated with a 1 to 40 cooled solution twice, and some times three times a day, till the first planter burdage our removed, two scoks and two days after the equivation took place. On the removal of the drentings at this time, the wound was found to have build throughout its whole extent except where the dramage take made entirence and exit. At this time the tube was removed, and the wound rapidly closed. At the end of another week I put another plaster of paris dressing on, and allowed it to remain until the 13th my of July, when the little instrument illustrated in Fig. 4 was gut on and the patient set upon her feet for the first time. In a few more days she had her crutches and was walking about the halls of the botal. On September 6th, she commenced teaching school again, at which compution she has been steadily engaged over some. At that time she could walk without any lung at all. if the some were taken allowly, and the deformity was all removed. as will be seen by Fig. 5. I would not allow her, however, to go out of sloves without smitches all winter, for fear of an accident from a fall. Evidence of the union of the severed nerve was not ifest at the rol of the series and the loss of semantic har entirely disappeared.

The case with which an operation of this kind may be performed, and the chances of recovery which it offers, should render it mees popular than it mee is. If we may accept the according changes sometimes following old deformities of this changes, the conditions of recovery are equally good as both early and adult bit from when such anglement features are present, as this case shows, as operation offers a good change of relief, if we care. I would say that I believe that the is the first time this operation has been performed upon the solution this country.

Fig. 5.





DEPLE CAME OF THE LESS START - WEIGHT PRESENTED TO HOSE -

Mrs. Now, aged 62, married, no whiteness equalited me Decompler 25, 1864, for an subergenesat in the left rule of the abstrace, which she had beet entired a month perviously. At this time, the examination showed the tensor to be a simple eye of the left oway, of medican most use the circumference of the associate was but thirty-three inches. She appeared in excitons in although beating pure or incorrections. During the following month I reforred her to Dr. T. Guillant Thomas of New York City, who confirmed my singulations.

a three dominal to appears and put the patient for two means upon proparatory treatment, which consend of caseful attention to the skin, indexes, and bowds. Two grains of quinns were given three those a day, and general founts, combined with Mardack's lapid food. For three days pre-room in the operation, the food remember authority of liquid contribution and the part fields as proposed by Mardack. Two-yes being before the operation occurred, the received fifteen grains of quintins.

The operation was performed Polymany 254. There were presand Drs. Henry, Forper, Berry, Do La Masse, Hill, Young, and Killion. The patient was in excellent condition, and took the other will Every exertion was made to occurs the best possible untiseptia surrornange. The most = which the operation was performed, and in which the patient afterwards remained was most thoroughly dissolveded, the Boar attributed with carbolised water the walls emped, and the mornings whitemasted with a disintecting solution. During the operation, the temporalities of this room was kept at 607. Antaupier potentions were taken by the operator. and his sometants. The instruments were immersed in a one to twenty solulion of carbolic and, and the sponger were placed in a corrected sublinger solution, one to two thousand. An incision less than three racks in longth was made in the median line, hetween the puber and quablicon, and, the towner baying been diej. got down to the personnegie, the latter was rectied. By introducing a most and passing it around the peoplery of the rance, the latter was found to be from from otherioms. The eyet was princbared with the trocar. I here found some difficulty in boiling and rotations the collegeed syst-wall in close apposition with the traasy and abdominal expanse. To overcome this differily they were
transfered, on external of with a large blanket-pin (early as I show
you). These were then handed to an assistant who was evalued
to keep control of the cyst. The one was now drawn through
the abdominal tectnor, and the publicle, being bread and of faclength, was transfered and legated with a strong double ligature of
carboliced mon-deed silk. It was then dropped into the abdomnal cavity.

The latter having been thoroughly cleaned, the peritoneum and divided somes were brought into apposition, and held with offers were and pin returns. The wound was divided with colledorm, articiple gauge and notion discourage were applied. Immediately after the operation the temperature was 5%, and the pulse 94. The policest enflered very little from shock, and railied well and promptly.

At a count, i.e. the temperature was 10 1°, and the pain to I gave a hypothermic superior of a quarter of a grain of morphia, and in ottoms of our outset of Municiples highest food; she passed water freely. After the, the nept and notes comfortably for an out-tours. February 24th, I a.m., an eremi of Municiples's food was given. Prom this time until 8.10 a.m., the missi quietly. Sin a.m., temperature 101° palse 20. There is n., temperature 100.2° pulse 114. The potent passed a comfortable day nock several ensemble of Municiples's liquid toos, and one of milk and brandy, which not being well returned, was alamboused, and from this time out, nothing but Municiples's liquid food was used. Ice, by the month, of follows, with an optimized small does of brandy. Passed where a conditions during the day.

Petersary 25th, 6 v.s., has rested submittely all night; her taken brainly and see at frequent intervals; has held no versiting or gentric disturbances.

Polymary 26th, 6 A.s., pulse 9s, temperature 9s.2", field first rate and element boully for food; no soremen, no sympatity that has no temperature of the food at innertal during the foreneon. At most she had been opiners and a small pure of touch. Six r.u., temperature 1952", pulse 9s, took ‡ of a green of morphia hypotoconscally, to allow outlessaries.

Frimary 27th, 5 a.m. temperature 1807, pour 91. She has taken the torse experience and in addition small quantities of liquid

fixed, inquid troth, brandy, and poplosteds. Has laid very little pain and has rested well.

Polyramy 20th, 6 a.m. pulse 50, temperature 20.5" March 1st, 5 a.m. pulse 84, temperature 50". March 2d 6 a.m. pulse 78, temperature 50.7". On March 3d, the nighth day from the operation, all the enture were removal, and the wound was found to have healed by first temption.

On the degree and day the set up in Sed, and on the 21st when my last that was made also went into the disinguism to disturbe will be noticed that the neutral array which the particul faces for the first three days often the operation consistent contrary of corcells of Marchael's Loyard Food, and non-that for the first work it was the principal dist. I consider that it rendered me the mean valuable service in endanting title in this case, so it has in many others, in which I have used it.

PERSONAL TUROS OF THE RESIST OF ANY - PERSON - PRAYE THE PERSON PAR.

Mrs. J.—., American, married, mother of six children, consumes me for the first time in September, 1884, seaking relief from a hunch in her right sole, which she had nonced only a few months previously.

Examination reversed the existence of a round plotmar namer in the right was form which was about the new of an arrange, of smooth neither and cloudy movable. At there was no imprey of rapid grawth, I advised a few Wanks away for further observation. During the next ex months I saw her frequently and noticed that the namer was growing rapidly. At the said of this time, Dev. De-La Nater and Herry, at my suggestion, see and examined the potiest. The second was then in fair condition, though her health had departorated associated aring the last few months. The tomor was found on experiention to be about the size of a child's bend, it lay despit is the right flow foom and probably within the abdominal cavity. It seemed to have no direct sourcetion with the aterus and mayor freely from side to side. It appeared to the touch nearly wound in shape and of lime texture. The comparwas a total congular. No fluctuating points sould be decored. The examination mainted in a diagrams of fibra-cycle name of the right soury, and an operation was demand attributed as more as possible. The consent of the salient to surgical interference having been obtained, the was put upon a ten days course of proparatory treatment, this being similar is character to that simpleyed in the proceeding rate. The operation was performed March 26, 1885, there being present Dre Porter, Browns, Berry, Leighton Andrews and Smith. The initial antemptic preventions as to the surmanaings, indirected drowing etc. nero taken. A carbolised apray was furnished by an Essentich apparation which did most excellent work. During the operation the room was kept at a temperature of 82° Fahrenheit. One of the chief points of interest in this case relates to the slarge of the intrisce, which was innevial. Bebers touching the lands I had determined that, if an anxiliary transverse relation offered may advantage at all, in the removal of each a fourd non-compressible tensor as I believed this to be, I should not bestiate to prefer it to a very long median section.

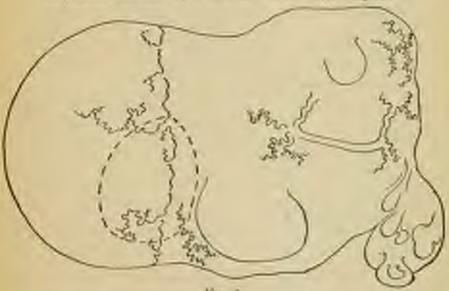
On expense the growth to a short exploratory meister, it proved to be largely filteres and of very firm beature with multiple cysts so distributed that an attempt to evaruate would have occasioned considerable loss of time and a risk of contaminating the personnal earlier. I therefore made a transverse can from the urabilizar obliquely four suches toward the crest of the client, These two mentions resulted in an angular flag, which on being turned back, gave me overy facility for the extraportion of the tomor. The homorrhage produced by this erom section of the municipal to the rest tolding coverag landly a moment's diday. Through the spening that made the turner was easily drawn, and the pedicle, which was long, having been translited and tied with a double ligarate of trou stred wilk, was retained into the abdomanal cavity. The viscous were returned by means of a large eleplaces sear spenge and by warm carbolicol cloths. In this case, at well as in the one reported above, one of the henefits of a thorough perparatory treatment was shown by the absence of gascon and solid material in the intestines. The pentoneol cavity laying been thoroughly cleaned, the edges of the wound were brought together and secured by ten wire entures and twelve wire hair pine. The wound dadf was then govered with induliers, cartellast gauge, and rotton, the whole being secured by a tightly applied abdominal bandage. The duration of the operation was about fifty minutes. The patient recovered promptly from the other, and gave echience of very little shock. At a c. u., four born after the operation, the pulse was bit and the composition





98 17 (nmety-cells and seem bentled. She pass of a fairly condertable night; had some pain, strained betterns but allie. For this slee per relyed aroughts forms. diemically conduct his, and changes The pseularity of low rematoms and general row. anna the morning following the operation lot mo to support that sho was addition to the use of comm. Upon quiebotting her I fremd that this was no and that for the pain few years also and been consuming large quantities of the drug-a fact which was s mast unwilcome our to me, use of trivial Ar reduce the chance of life in this class of operations fully one-ball. and and I known it his fore the operation was performed I doubt year much if I would have consented to do it. The passent informed me when I quotiesed for as to why size did not beme know this bidging that she was afraid that it I had been aware of it I would not have get formed the operation, ton bits nits tant bear want to live in this condition and longer. Manch 27th, back, tettpendun 45", print 95. Shorts part of the right, but you quite nother at the time, and request especializely lame diof the teorphine. Venital arrend times. Has taken Murdock's Food, brandy, champagne, and beef perconosis. 6 r.m. temperature 20 5° (ninety-nine and one-half), paise 102. Has been restless, and complains of arms tenderson and pair in the abdition. Veniting still percents. Stimulants incremed, and still larger does of inorphine administrant.

March 29th 6 a.w., temperature 102", pulse 138. Has had a said night, shows distinct evidences of perforatio, which grow more and more marked during the day. Toward night a higher temperature, followed by a delirum. Pulse 160, temperature

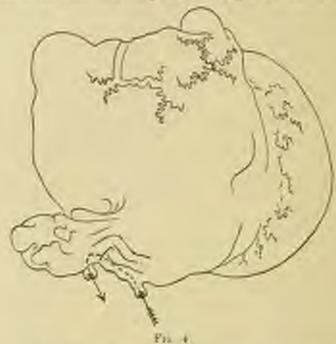


Phu 1

100.5" (one hundred and live and one-half). Quintine in thirty grain doses was given per nection every four hours, morphia pushed to the point of tolerance, with all the stimulants which she could take — brandy, champagns, and cartenains of animonia, but in spite of every effect, and constant attroduces on my part for two days and two nights, she rapidly sonk and died at 6 p.m., Mouday, March 30th, having lived six hours on the fifth day from the operation.

Twelve house after death I made a post mortem examination of the would, which showed that it had bested by first incoming throughout. Over the peritoseal surface there was perfect cosptation and no uniteral degree of inflammatory action. The peritonial cavity contained about a pint of dark-solvered forms. The area of peritoritis was about five incline in flammer, and was confined to the tissues around the periods. The arranganging out, Fig. 1 shows the character of the increase, while the dotted lines show the different positions of the tensor during the various stages of the operation.

Figure 2 shows the wound after the completion of the operation, and the application of the entires. Figure 3 represents a side view of the terror with overy mixelsed. Figure 4 the same from



an end vice. There the pleasure, also, of presenting this specimen for your impection. It wrighed five possible four courses, half of which were the fluid consents of the syst. It is of a suited variety, over three fearths being of a dense fibrous character, the restallular being cyarie.

The last portion was evidently of later growth, and its walli-

fibron portion were numerous minute cysts in progress of growth. The origin was manifestly, in the overy and broad ligament

In the future, if I have an opportunity to remove tumors of that character, I shall not besitue to use the transverse incision. The great case and facility with which the operator is embled to ossepulate the discused mass, and remove it through such an action, can only be estimated by those who have bed much superione is abdominal surgery, and large sentured to perform like operations by the old central mention. I am also finally of the opinion that had this system been free from the debilining tailor races of the long-continued and liberal use of spours, the would have recovered.

This case gentlemen, is the last of a serior of time ovariotemies. which I have performed, six of which have been successful.

OBITUARIES.

CHARLES W. CHANGERLAIN, M.D., BARTFORD

By NAMES MAYOR M.D., HARRESTON

There is probably no man in the State of Connectical, of this present generation, whose nesheaf acquirements are more highly and justly estimated than these of Dr. Chamberlain. Not his activity as secretary of the secrety, not his excess as the bealth officer of the State, but the personal contact with his colleagues, begot this comion. The extent of his knowledge was only equaled by its three-cighness and by the good judgment of its application. A medical complete what that means to a science so large that few one compans it and presente deeply, in an army whose camp is pitched in more advanced positions and occupies now territories every year, to be notice and increasily, to know all and know it well, requires a method and talents of no ordinary degree.

Dr. Chamberlain was been in Providence. R. L., in 1844. It was the home of his grandparents. His mother's inflier was see of the first practical chemists in America, and became a locusper of that science in Brown University. Later his went into businessed rose to be one of the leading citizens of the place. This gentionian was remarkable for many traits which were reproduced in his daughter, the mother of the Doctor, and in himself, who closely resembled his mother. The father was a dergyman and located at Eastford, where the subject of our sketch passed his boylood. His sarry education he received from the mother, and the lady, who felt located in the society of a country town, developed in him that taste for living apart and assecutiated in himself which proved a powerful influence in his after life. She kept her claidren to herself stell implicated in them that loce for locate, which was her only soluter in a country life.

Thus we see that in the shaping is the man habots of study and aversion to somety were strong factors. The distor prepared for college are in a school with other toys, but with his father, and its went to littown University intending to take an abstraviated philosophical naive. He found not his motion during the first form, and returned home to study another year. Thus he entered as a suptomize in 1884, and graduated in 1887. Through college he passed without confidential friends, without the claims and merry companionships which gild but direct that happy period. His previous lensely life, his permutally subtreed tragality coupled with scale semitiveness and much prote may have find their share in this.

The next more was to Pittschelt where a medical school then axisted. There the domes procured a place as toucher of physical sciences in a young belies usuance, but at the same time attended medical lectures and read with a physician. When the Pittsfield college closed its shoes he were to Albung for one course, and later to New York, where in due time he graduated at the College of Physicians and Surgeons. This was in 1871, taking a special course in throat shouses during the last year, he thought to shoused to that department of the profunctors. But when he carno to Harrford and scarted to practice, be found what many others have found — that, except in very fortunate cases, it is not the young physician who determines his work but the work that selects the man, and, is this case, it was general practice.

Soon after he had began. He Comphell returned from a manuscal European study, and occupied a location adjoining that of the Danor. It had to an arrangement in others commonality of office with adjoining but separate fixing rooms were a testion. And this was perhaps the happens time of Dr. Chairlerinin's professional cureer—what he never seriors or after really possessed—it gave him a companion with similar enterests, sinus and fortunes. And his heart opened must to the amenities of life and bellowship, whose common undies and common strange experiences of a new practice common and made possesses his train-work. Within a year, a paper read on incryagnal discusses believe the State medical assessing attracted attention, and as a consequence, more practice in this speciality gravitated to the new settler. Soon after, a share in the time, helped his feature greatly, and he made acquaintance

and profit by teaching the physical sciences in a young below some many near his office. This engagement continued for three years, and by that time the value of the man began to be appreciated, and his practice, if not large, was remomentary and colld.

About these years the health agitation began. A committee of which Dr. Jarvis was a member, had the unfrunful task of convincing the Connecticut public and the legislature that expervision of the state health was necessary. For this purpose they entered into preliminary investigations and drafted tells stairable to be panel. De Jarya being much engaged in practice, threw his portion of the labor on the shoulders of Dr. Clamberlain By this accelent the attention of the latter was directed to sanitation is a large sense, and his studies of the subject were undertaken willout bee of time, and with remarkable and and theoreginess. In a few months he mastered the history and the principles of this science, and themselver benot unfrequently round his knowledge into lecture, to which and some interested in social science belend with deep interest, Sabe-quently be acquainted trimed with the details, etailed the rise and fall, the slds and ther of spidemics, the cases of disease, and their festering circumstances, and the illimitable theories on their precision. In short, this study, in the dimensions of the material dealt with and the company of its objects, suited his cost of mind, and he became a muritarism of decided and for-maching views, and one who had positional and judged with singular elearness.

But this astroipase. There years were by, and the committee of the State Society was still entrenting the logislature and humanholing its members to compare the netablishment of a fourd of boulth. In vair. The government that could speed millions on a new capitol, and a bundred thousand amountly on the militia, had not three thousand to establish a lurrows of registration and entition, and a builth board committee.

At the cross of the session, almost by an accident, the bill was reconsidered and passed, and with it the bile of Dr. Chamberlein entered a new plane.

It had been arranged by Governor Hubbard that he should be everted secretary, and from this period his work becomes a matter of patitic recent. We all know what he did to those yours from 1871 to 1843. How, on the one hand, by had to examine rules, create ditties dissensibile principles, and teach procedures to an unwilling, self-governed community, exceedingly both to recover them, and, but on the other, he was forced to propose institution, and defend it annually from the jealogoy of spacets, and the paret. mony of country members, who could not see course for their money. He did this with equal good humor and skill, and was indefatigable in securing influences. Meanwhile the grass was not allowed to grow under his feet. Proquent lectures in country towns, pomoral suspections, unremanarated afreior in the disturns of a rows or the building of a house, santary service of strony discreption more unofficial than official, but always unpaid, filled his days. The nights were forested to looping abroad of the line, studying what the sanstarians of England, of Prance, of Germany, and the boards of our own states had investigated and arrived at. And, when he mue, there were from twenty to thirty mouring letters by mail that cried for answer. Thus went the first years of the board. It is natural that his private practice method away under these conditions. But he never regretted it. The salary was but a pultance, it is true. Still, an increase was hoped for, which would make it a respectable income. But when his best friends repeatedly urged the attempt, promising to further it with all their power, the dictor forbed, fearing that the prospers of the brand might be endangered. And thus be served bee his money of late years, becames the work had become systematized, the fown authorities had acquired the habit the cities had established health committees, and the people could see the ortion and use of mortation. And now, when the seed he sowed in sorrow is about to bring forth; when samination has passed into a new stage whose its health guarantons, and its life saying powers are acknowledged and extolled, his busy band is listless, and his strong bram withour thought. He said to aght of the promised land, whither he had conducted the people. The world recept on, and his work knows him no mare.

Among the services he rendered to the profession of the State, his serven years secretary-day of the Connecticut Medical Society, the executive office of the organization start not be forgotten. The nok fell into his hands when accounts were disordered, around due, and a looseness of alliers predominant. He administured a skillfully, and left in a strictly good order.

Shortly after the decim's accomen to the Health Board, he

ontered into professional relations with Dr. Jarvis, in whose bouses he located his office and fiving room. At first his participation in their general practice was quite large, but soon health matters and health studies absorbed his alternion, and the connection was reduced to hitle more than consultations, and an occasional charge of Dr. Jarvis's patients. Nevertheless, this arrangement proved highly pleasant and very useful to both. Dr. Jarvis, who had grown up in medicine and surgery, until those were minimize in him, a sort of second nature, and Dr. Chamberlain, who called experiences from the records of all the world, tried and nifted them, and brought them under the focus of his logical analysis — these two complemented each other in a numericable degree, and their united conclusions were of the highest value and significance. A natural approximation of each other's qualities, musted in a perfound respect and very shaper friendship.

Dr. Chamberlain, notwithstanding his theories and studies on a large scale, and their general application, was perembolish an excellent practitioner. At the bedroid, while bringing great processes into play, he gave a wonderful attention to detail that concerned not only the treatment has the consist of the paleon. He even went further and could after a scientific analysis of the cost and after process involves for procedure, master sympathy is comfort the patient. And it was success sympathy, for it displayed not alone at the bodieto, but proved itself in the consultation character. As anotherwise, as physician, as a phinosopher in modificial, and as a rean all honor is due to correlegessed companion.

There is something more to say, perhaps the most important. Sensithing of his brain qualifies and scenething of his character. Something also of his limits. The first was remarkable in many ways, and may best demonstrate itself in his methods of work. Having begun with a subject, Dr. Charoberlam dug down to in despect neces and followed to its attract consequences. At such times the world was but a dream. One might call him out and converse with him, but the response came but from the amounts. He must remained fixed on the subject, and held it as one night hold a delicate recolumns with one hand and ward off a by with the other. Thus he read on uninterruptedly for three four, or five slope with but an occasional two hours above in his clothes, shift feeding meanwhile from longs of applies, and calons and candies at his behinds.

When the long stride was over he made an accurate index of the meat of these twenty or thony activies gone through in as many different works, and the results were photographed in his mind, concise and ready for use. He never met anything augort. and in the source of his reading, or in the person of a perfectivel, or in a medical or scientific journal, but he would at once mark the place, and upon some haplianard scrap of paper make a note of it, and before he laid flown that right the fact and the antionty were classified and indexed. And thereafter he could nock them out in the dark. All his books are tull of three indices, but his mind held the synapsis of his reading within easy reach at all lovers and for every sall. Not as one holds deal matter, but attinitated passed into first and blood, giving color to his ideas, strength to be thoughts. As a solid from these severe spells of study, the doctor lumed to the very lighted literature, and the with irbo had but now from immersed in questions of the despot importance would skin through the pages of a sovel or mories of the tracking description. In both, his manner of reading was extraordinarily sould, and be outdooned the ulicus points of a page, while acorder was still stronging with the first paragraphs His worked of thinking was year street; logical and war carable of demonstration like a geometrical problem, clear, soluted, and abort was the expression his land to thoughts; novel and immently practical the applications by suggested. When his line opened that idea was timiled, and the solume roady to be iteracil to account

The Doctor was compaled by bosonists in his distings protessoral and ownic and own surfavores to be just to all. Beyone that, there was great studings and bespfulees to him, and a contain one and softness of dispersion which was absent womanty. Perlamp the early and combant association with his norther instead of the boys, but posserved this charming trail. His religious consistions were brought from the home ready-made, with already and living influence. He was natisfied that they were those, or one is satisfied with the rose or one's lace. And he always exhibited the wident information for other beliefs, discoving these common fundament. His present reserve was shellow, sery this for very importable was the second which controlled his interval.

And to hardly any limit to opened the door and granted a glance within that the support which his maint only character compelies.

was such that acons durit estrate measked, even for his own advantage.

This characteristic mointed him during areat of his site, and his halels were an orderons of it. Very neglectful in dress and altogether cardies of appearances, he often persented a jutious extremely analyzing to his francis. But Dr. Chamberlan gave twenty dollars readily for a book and begraniged five for a garnismit; money past for elothes always sound wasted to him. And set be was in from saving in permissy matternamical ed rather generous in his been mentioned how he half found while studying. When such a time was over he became as encommon unter, and look great pleasure in at. He delighted in more and discounts internal ments without applying a high standard of tame in their selection, and excited witness a ball game or take a hand in what with much natisfaction.

During his last years the long watches over books had engordered a habit of elephoneses, which the doctor endeavored to overcome by the use of narcones. And this grew to be a strong habit, to some extent a controlling force in his life. But nature too severely tried is erro to call the balance, and enforce a settlement. The heavilt of his extreme afforts came to the community in his work on the Board of Health, while the penalty fell on hunself. It is well to remorably that.

With profund affection for his person, and great admiration and reversors for his gifts and labors, but with a contempt of the sid sin leaves method. I have endeavored to give a picture of this remarkable near. Where there are lights there must be shadows, and when one has lived a pine, blanders, and knowly life, where one has borne a great load of labor, and brought about high and useful results, there is no necessary of tempering with either. He did the foremest work of his generation, and immeasurably adranced the knowledge of medicine, and the practice of summation in his State and of him we might say with Schiller.

> "He was sufficed the tasks of an own time. He has advanced the work of all the age."

ELI WARNER, M.D. HARTFORD

BY W. A. M. WARNINGS, M.D. HARPOUL

Kli Warner M.D. was born is Ellington Com., March 24, 1842. His parents dying when he was quite young he was placed. abder the graphurship of Mr. Edward Hall, who at that time kept. a quite referented school for boys in Ellingion. Here Dr. Warner. completed his early education. In the fall of 1841 he went to Elmira, N. Y., and entered a bookshops in the capacity of clerk. He did not, however, find this position conquestal to his tastes, so after a few months he returned to Ellington. Soon after, upon the advice of Mr. Hall, who had seen in Dr. Warner traits of simmeter which fed him to think that medicine was his calling, bedecided to devote himself to the study of that science, and entered the office of Dr. S. G. Risley of Rockville, Coun. His first course of lociums was taken at the Berkshire Modical School, Panelield, Mass. He then went to New York, and mutriculated at the College of Physicians and Surgeous, versiting his degree of Doctor of Medicine from that Institution in the spring of 1867. Shortly, after his graduation he became an interpo in the Innatic Aceptal on Blackwell's Island, New York City, and remained there about one year. In the fall of 1863, he was appointed assistant physician to King's County Lunatic Asylum at Flatbush L. I. He resigned this position in the spring of 1871. In the fall of the same year he withed in Hartford, where he continued in private practice mull his death, which occurred on the 28th of May, 1884. Dr. Warner was nover very cobust, and several years before his death he developed signs of pitchess paintonnies which shoulds progressed; giving rise, in the last year - two of his life to server honory ringer and ferally to a state of exhaustion from which he was not able to rally. Dr. Warner was murried November 20, 1872, to Miss Sarah Semends of Shelburns, Venneut, who, with two obitdress agest respectively twelve and tem years, survive him. As a physician. Dr. Warner was thoroughly ofuncted well skilled in practice, and total in judgment. As a min, he was gentle, upright lend and always compound possibly using trains of charartic which enleared him to his friends, and gamed the respect of the community is which he lived.

GEO. W. EDWARDS, N.D. GRANDY By Ww. Wood, M.D. East Winness Bina.

Ges. W. Edwards was from an New York City. Get. 12, 1816. He received a common editection at private schools and the University of New York City. He apart the three or more following years in foreign travel (writing Brane). England France, Italy, etc. also spending several mentlis in Asstralia, etc.), and relating home in 1858 he committeed the study of anothers. He attended beclaims one year at the College of Physicians and Surgeons. While a student to served one year on the resolute staff of the Bellevine Hospital.

In March, 1862, he received his degree as Doctor of Medicine from the University of New York City, and two months labor, emeral the Union Army as a surgeon. He was assigned to the U.S. hospital then opened at Darni's Island off New Rockells, N.Y. where he remained until the close of the war. He was then attached to the a Franchisea's Bureau," and served in the South till the moderal department of the Bureau was describined in 1869, at which time he held the position of Surgeon is Chief for the State of Flechia. He work come to Grantly for a few weeks only, but continued there until his death. He had not been sent for neveral years, but practiced in his profunction until the weeks previous to his death, though he shormast his older gradually for three years, from increasing weatiness. He was confined to the first about ten days.

His disease was Bright's disease. His leath recurred October 6, 1884. He leaves a wife and two young sens, aged none and arren years.

AMINOSE REARDSLEY, M.D., RIEMINGHAM. By U. H. Posney, M.D. Brandoman.

Ambient Bearduley was liven in Monroe, Court, where his begbood was most, dividing his time between the common school in the originochesel, and the dames and labors of the farm. His young and point mind very seen absorbed all his varie teachers. were able to jupare to him and before he was twenty to hought several terms in his schools where he had benealf so recently been a jupil. He added to his common attend obscalion a his knowleolgy of the batts language, and having decided to make the perfection of modicine his life work, to studied a short time with Dr. Mubiliatuseles of Mestroe, but seen removed to Radding, and entered the office of Dr. Charles Gorhum, at that time one of the most popular physicians in that part of Connection.

Dr. Beardsher, during all the remaining grows of his life, outerlained the greatest respect for the memory of his early instruction in his production, and frequently quoted his explains as an authority in practice until his death.

He afterwards attended two courses of lectures at Pittafield, Mass, graduating there is 1834. He located in Newtown Corn, where he remained a little store than one year, when he removed to Birmingham then an atthree tellage where he commenced in names his life work, and where he labored mainterruptedly for almost half a contury.

I may truly say uniaterruptedly, for Dr. Beardsley took no varation. He was a man of introcess industry. The writer knew him intimately for more than thirty one years, and can testife that during all that pennel he was mover absent from town but once, and then for ion than one week during the War of the Rebellion on some bismess for the summary commission. He was ever at his post, zight and day, manifesting a slegges of courage and undarance which shamed younger men when they complained of fatigue and has of not. He zeror complained of his interious life or any of its disappointments. As old age began to steal over his exect and makes form and his friends noticed the shalo ong pass and altered ting, he always monited that he was it all right" and never better after in his life to week than now. He loved to profusional dates, and the thought of alandoung those was pendul in the netrons. He never seemed to Import acts much at book at when at the bedatte of the sick. He was untiding a life devotion to his patients to the last, but never assemed to realize that his own localth required want of his deciting strongth a little repose. After he was seventy years old he often stayed the centre night with his patients in places. where there were very few comforts.

time he remained with a jurious three days and tights, all the time ordering broads accordy with outlines when he did not have seen a longe to rest upon, and the only steep to obtained was an ring in a chair, resting his arms on a their barrel, and his head on his sense. He never received one can for attending the case was could not have expected compression at the time.

While not lacking in spirit, he was a man embert resentments. Under provention he would alide defend bimself, but he did not harbor unbrothers, and when most he not his opposed he was ready to group his limit in friendship, forgotting the butterness of presentary.

De: Bear-birg worlded a famile per. The columns of our local papers were often uniformed by his hutteriest and personal electron, and low could write an obstancy notice of our old people, as they one after another passed away, in so kind and pleusing a maximum as be.

A new years before his death he published a History of Derby, for which he had been collecting material many years. Although like most of his ventures, this work was not profitable, it will serve to keep his memory green for many generations.

Like many others in our profession he was not a successful finamount if he had enflowed for his present researches he was context. I need not say, therefore, that he was not rich in money at
his dooth, and that he left his family but intic of this world's grouplie dot die rich in the love, sympathy and esteem at all his fellow
entisens, old and young, rich and poor. He was a kind inshard,
a loving, indulgent father, a generous neighbor. He was annountly social, and prized more the respect and confidence of his townmen than either wealth or laxary. He was foul of policy office.
He was many times warder of the lovingh of Birminglium, and
registrar of vital statistics, most of the time for nearly thirty years.
He was a flural speaker, or most all public occusions. The Buctor
was present, and a speech from him was a part of the regular programme. He was often very happy in these efforts.

For two years previous to his death in had been to failing health. Inthe continued to practice mend there weeks before to died. His family and friends arged him to alundon his office and counts at frome, but he could not be presented to do as qual absolute materials to got these keps him away.

He arranged to feel after he took to his bad for the has time that the care and responsibility of all the borough affairs, and a large list of patients will record upon hou. The burshess of care which he had carried to long he seemed transle to by doors until death relieved him of it. His had been more comparatively free from suffering, and he sank questly to the rest which knows no awakening.

In April, 1837, he was tracticd to Many Bossette, staughter of Samuel Bassette, Eq. of Saymour. His wife survives to means his loss. Also an only our, Capt. A. E. Beardsley of Briningham His only daughter married Dr. T. B. Jewett, but does at the father's residence in 1881.

The physicians of Derby and Shelton net on the evening following the South of Dr. Benedeley and passed the following resolutions:

At a stricting of the physicians of Derby and Shelton hald. Thursday evening, October 10th, to inkomition on the death of Dr. Ambrose Beardsley, the following remisisous were offered by Dr. George L. Beardsley, and adopted.—

Withman, The great Resper has extend our field and nurversed the ripered grain, removing one whose worth was more fieldly greated, whose rigilated as a serment of health and enterprise as a crimes was unremitting, whose meriahases oven adversity. It leads h, and declining years did not cause to wither.

Bisoloof. That in the death of Dr. Ambrook Bearileley the physicians of Berby and Shehon mourn the loss of a gotial compution, a wise commeter, a judicious practitioner, a valuable contributor to medical literature.

Shoulded, That while we give that he, who has so undersuch and electricly served his mission in this community he fifty years, is now affect to our coll, and can move again jobs to in combine with rathless pains and angry fiver, jet in the coming years constant to accomp will be his distains over disease. He follows to the infloring, his charity for the unfortunate, his listed of empoweline, and loyalty to the interests of our profession, his gentlemantly demonstrated moral dignity.

Breaked. This is this fatim of becaverant we confess the death of words to rightly convey to the family the loss we feel, with them, and kindly 160 them less on the began that the "benker by Generalet" may would be around that shall this stay has made.

Readon', That is the defrence to their estems for the deceased the physicians of the town of Derby and Stellon altered the frantal, so an association

Realist. That a copy of these residences to personned to the family, and that the same to published in the Berley Transcript and Naugatrek Valley-Sadiani

The day of his functal was an occasion of general mourning, almost overy place of business was closed in the horough of Eq.

minghou, and all element of ritiseus gathered at the house to pay the last tellure of respect to their departed formal and loved play shales. A long-line of real mourners followed the remains to the Binningham crimitory, where a large concessive of people were waving around his open grave.

In a beautiful upot overlooking the valley of the Bessatonic, and in the village he loved so much, was laid with loving bands all that was mortal of Dr. Ambress Beardsley.

A. H. ASERNETHY, M.D. BEIDGEFORT

By Britis W. Messoy, M.D., Birminent

Observe Augustus Hinggins Absensitily, one of Judge R S and Charless M Alternative was form in Lauthfuld Come May 91-1828. In 1848 Judge Alternative and family removed to and set that in Brudgepart, where the curvoyer noise reside.

Dr. Alternothy began his medical mother under the supervision of Dr. Robert, Haldard, sany in 1838, but was deced to internal there has scartly of quite a year, because of the appearance of a growth in the right actual cavity. Under the advice among affairs, of his made, the late Dr. John Absentthy, U. S. N., the growth, which proved to be a simple cyst, was removed, and the parson of his studies renormed. About this period Dr. Hubbard became Surground the 17th Cons. Vols., and 1sti Bridgeport for the sear of war, and young Alemetty entered the office of Lira Jornett and Townsend at New Haven. Hore, and at Yele Medical College, he posted forward until the was graduated in 1884. Entering the U.S. Navy, in was assigned to duty on the U.S. S. "(Prougal," and entimed at Charlesian South Carolina, until mentered out of In 1800 Dr. Americally retioned by and notified in, Bridgepost and practiced his profession the remainder of his life. In 1874, Dr. Abermelie married Mor Hourisma Stage: of Stratford. The caremony took where September 16th, at Livingmous the Hulson. Three children a son and two daughters, was the fruit of the name. They fire living and wall.

By his notestion to the status therein for Abertothy arguined an extensive practice. By his generates of demonstry and has

appropriates of character to sends a boat of friends. By his charaly—but let the speciacie of the walks in the excisity of the charaly above the function excises was bold, resulted out the secretary peer, speak of his charaly? As a character for Abstractely was beened by his follows, and had represented them in the legal lature, he served as a member of the Board of Situation, and time narrowsty secured being major of the City of Bridgeport In the profession for Abstracting stand high, and had been shown as one of the connecting sunflied the Bridgeport Boards. He was also a member of the Board of Brain.

Dr. Alamouthy's think took place November 10, 1881, at the age to 16 years; such though not whichly unrespected by the professional friends will argumented with him and his continue, was midden, and the community was shortest thereby. Yan discuss which raised his draw was septim percent from which he has differed more than two years. The Doctors samily life was a happy one, and great order is the loss of these to left debug him. A familie but amount Christian, he heard and always the call to —the tetter we characterity

O. S. RICKOK, M.D. SIDSEFIELD.

BY A. R. HARRES, M.D., BETTER,

Dr. Hirkok was form in factor, Coan, Dr. 9, 1841, and shall April 9, 1864, of Dright's disease

He was the prompte of more children of Timothy R and Bether G Hirkok and three living to pract of materity, and he the last of the three to be called away by death.

It hong the web of his parents that he should enter the mineter, he went to common a proparatory scaling with his mode files. L. P. Hielock, D.D. (1988) of Amberd, Mass, the only brother of his fullery, we coming to a severe homorrhaps from the lungs, he was compelled to return to his boost, and after that the cond was turned toward the profession of motions. As even as he was able, he commenced the study with Dr. Clark of Bethel, and after attending one course of histories at Yills Medical College, he consider and at the Bernatter Medical College Pirtsfield Mass, where he gradnated in November, 1884. Soon after this to incated in Portamoult, Olio, where he remained but a few years, and in January 1860 he went to Ringefield, and succeeded Dr. C. H. Kendaff, for a while boarding in his family and comparing his office.

April 3, 1876, he married Miss Allie (). Showen, a native of thattown, who survives him (they never having had any children).

And, as the writer of this sketch attended one course of her tures with the decision, he can certify to his genial and social disposition and from one in the place where he lived and died, I under this

• He justly had the reputation of being ready to comply with any common, from rich or poor, day or night, rain or shine, near or for, when his househ permitted."

His fureral was attended in Bidgefield, and the remains brought to Belled for interment beside his parents and other relatives.

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A. W. Borberts,
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-79

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-35

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-181

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Val., 1933 Univ. N. Y., 1871. Columbia Coll. D. C., 1964, Middlenown. Yale, 1970. America. Hell Men Goll /N. Y. 1888 Birmingsam. Yale, 1837. Dol. Phys and Surg. 1888, Dunbury. Tale, 4804. Belleyste, 5570. Berkstere, Mass, 1854,

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PEACE AND DAKE OF GRADULE Univ. N. V., 1881. Yele, 1879. Univ. N. Y., 1981, Univ. N. T., 1977, Chen Med Soc. 1925, Cutr. N. Y., 1979, Coll. Phys. and Surg., 1970, Jefferson, 1978,

Coll. Phys. and Serry, 1876, Norfolk. Oath Phys. stal Sorg. 1825, Seymour Harvard, 1872 Harvard, 1869. Permana Univ. Vi., 1880. Woodber N. Y. Med. Con. 1859. Narwith Cod. Phys. ann Surg., 1889. Lakeville. Berkeline, 1858 Univ. N. Y., 1876 Vair. Vt. 1880

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At the Annual Manual of the Communical Medical Sectory, field as Barriard May 97, 1985 the following proposed Charles was brought forward, and after much discussion it was ordered that self-on upon 8 by deferred oil the part annual martins, and that it be grinted with the priceedings of 1985.

PROPOSED CHARTER

HE THE

CONNECTICUT MEDICAL SOCIETY.

Surpox 1 (Sums as Section 1 of present Charter,) The physicians and surprore now incorders of the Connection Medical Society, and all physicians and surprove who shall be realise be accommed with them in partitions of the provinces of the section shall be and remain a body politic and corporate, by the name of the Connecticut Medical Society, and by that name they and their successors shall and may have perpetual succession; shall be concluded in many and merger name and parading and being nephroded in all state of inharmers have and nature may have a common seal and may after the same at pleasure and may their purchase receive held and convey and entate roal or persons to an amount are exceeding one limited that man dellars.

Sure in Thereafter an one shall be admitted to monitoring in the Cataconical Medical Society, unless he shall have recorded the degree of deaths of freelicing or shall have been experient and formal by soil Society. All physicians such suggests now to the here and all was shall be beneather admitted shall be Federal of the Disputcional Medical Society.

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See 1. The Voltows of the Community, Medical Section shall meet neurally at such time and place as they may select and at

such mornings they may visit a president, vice-persolate, accutary, and treasurer, and such other officers in their may does necessary. who shall hold their respective offices for one year or entil others are elected, they shall have power to appoint a State examining committee, who shall examine each cardidates as may ofter themselves for that purpose, and hisness such as shall be found qualified for the practice of physic or surgery and to recommission, on their Smith, as Pollows of and Scouty, to south a honorary degrees in and into an such of the faculty on they from time to time find of houngophed must they shall have power to smalled robe for the admission, disminster, and expedition of Kelbook in by an around tax upon each Pollow, not exceeding they dellare, to colset the same and to need and dispose of all success or other peoperry belonging to the South in such manual in they may think proper to promote the objects and interest of the Society and, in general, to make such by laws and requisions for the fun government of the society, not repugnant to the laws of this State, it of the United States, as may be deemed new-ry,

Note: The file and file Northern correspond partly to Setting 1 or prospect billing and partly is some of the Division. There is to be have the corresponding to the adjustment of partless.

Sur 6. The Fellows of the Society shall need minutely in their respective counties, at each times and at each places as have been us may be howafter agreed upon by them, and chall elect from among themselves a president, vice-president, and class of the committees at they may field necessary. The Fellows of the Boriety, in their respective is unty meetings shall have present to adjourn and meetings from time to time, and to held special one inguist they may judge expedient, and may adopt such regulations for their own government, and for the permittee of medical matrix, as they may think proper, but repagnant to the by laws of the feecely.

Suc. A. Three arguments that take effect on the day of their passage, and so much of an act months! An Act to incorporate the Connection Montal Society, approved June 3, 1875, and all each acts in addition thereto and amendments thereof, as an impossibilist terrorith, shall be sed the same are belony repeated.

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PROCEEDINGS

OF REEL

CONNECTICUT MEDICAL SOCIETY, 1886.

NINETY-FIFTH ANNUAL CONVENTION,

HELD ST

New Haves, May 26th and 27th.

NEW SERIES, Vol. III.-No. 3.

S. B. St. JOHN, M. D., Secretary, HARTFORD, CONN.

HARTFORD, CONN.

PRESS OF THE CASE, LOUIS TOO & BRAINARD COMPANE.

1886.

The Connecticut Medical Society does not hold itself responsible for the opinions contained in any article, unless such opinions are endorsed by a special vote.

Next Annual Convention of the Democrical Hedical Society will be held in Hanford, May 85 and 38, 1887.

All communications intended for the Connecticut Medical Society must be addressed to S. B. St. John, M. D., Hartford, Conn.

CONTENTS.

	- 7	Open.
Lin of Officers.		- 8
Standing Countrittees,		
Proceedings,		1
President's address to Fellows.		18
Treasurer's Report,		18
Report of Committee on Proposed Charter,		15
Report of Nominating Committee, :		18
Committees and Delegates, -		19
Secretary's Report.		25
Emagists for 1897,		193
President's Address: Diabetes Melinus,		34
Dimetation Treatment of Laboration of Coreix Uteri, F. 1	2	
Beckwith,	1-	43
Bony - Damages of Parturities and their Repris, P. R. Ingall	h-	- 61
Empy - The Missiscope in its relation to Discuss, J. W. Wrigh	£.	73
Huny - O Tempera: O Mores, Jno. G; Stanton,		192
Every - Dependenties Disease of the Kidneys, W. S. Musges,		87
Kessy Arate Perantinia, S. D. Gilbert,		388
Kong - The Prevention of Invanity, Gustayus Elist, .		103
Essay - Intragrantial Hemorrhago in its Medico Legal Aspect	9.	
John R. Lewis,		100
Heray - A few of the Couses and the Treatment of Summer Con-	1	
plaint in Children, H. S. Dean,		150
Essay - The New Baren Water-Supply. H. K. Smith and Wm	ic.	
E. Luckwood,		140
Surgical Notes from the Case-Book of a General Practitioner	9	
Series II, W. C. Wile,		144
Case of Introlliseasie Sansona, J. W. Jowett, .	_	SET
Close of Large Billing Calculi, A. R. Gaodrich,		170
Ofeburies.		
William Wood, M.D., Fast Window Hill,		178
David A. Tyler, M.D., New Haven,		139
Ashled Woodward, M.D., Franklist,		175
Samuri Huschina, M.D., Danielosoyula,		1011
Abram M. Shor, Middletonn,	_	182
Leonidas C. Vinal, Middletown,		187

IV OSTANIA

Appendix A Report of Committee of Profe	miceal	Inte	nit.	
U. J. Fox, Obviruos,	-4	-	-	198
Mortford County, A. E. Abrama, Reporter,	9	93		159
Case of Cystitis, A. E. Airana,				191
Propagamethorax, J. A. Stever,	-	-	-	130
New Hotes County, Max Mallhouse, Reporter,			- 0	124
New London County, P. J. Bookwith, Reporter				197
Friefeld County, J. W. Wright, Beporter,		1		135
Acute Nephralgia, II, Lauder,		-		192
Appendix B - Deport of Concuitres on Medical	Educ	stion,	-	212
Appendix C - Report of Delegate to the New?	Fork 5	State &	168	
ical Association,	141			220
Houseway Members,		-		222
County Societies,	4	4		1924
Alphabetical List of Members,	-			424

OFFICERS OF THE SOCIETY. 1885-1886.

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T. M. HILLS, Williamtic.

Vice-President.
FRANCIS BACON, New Haven.

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JOHN B. DEBRICKSON,
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RIENZI ROBINSON,
H. P. GEID,
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TREASURE.

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A. E. ABRASH, M.D.

W. D. CARMALT, M.D.

PROCEEDINGS

CONNECTICUT MEDICAL SOCIETY-NINETY-FIFTH ANNUAL CONVENTION.

The President and Fullarment the Connections Medical Society met in the City Hall, New Horses, at 2 r. u., Wednesday, May 20, 1886.

The President, Dr. Elijah C. Kinney et Norwich, called the Concention to order, and appropriat Dr. C. E. Hill and Dr. S. B. St. John as the committee to examine the credentials of the elected Fellows. The committee reported the Fellows elected whose names are presented. The life was accepted and the committee discharged. The following is the list as presented.

LIST OF FELLOWS, is offered

Prophet

Engan C. Kisser, M.D.

Viso Possible:

(Samer Hereman, M.D.

Two Providents, or opinion

Laws Bauses, M.D.

*Jone B. Denneums, M.D.,

L S. PADINCE, M.D.,

* F. L. Directosov, M.D., Riferen Romanov, M.D.

*H P. Gun, M.D.

E. F. PARIOSE M.D.

J. H. DEASSIN, M.D.

Troussyer.

E. P. SWAFET, M.D.

Secretory.

S. R. Sr. Jone, M.D.

Committee on Matters of Professional Jahrent in the Shife C. J. Pox, M.D., § A. M. Shife, M.D., W. H. Horano, M.D.

PELLOWS ELECTED IN 1886

Hartfield County.

W. W. Knight, H. O. Allen, A. E. Abrana. P. H. Ingalls,

* W. R. Tinker.

New Hirtor Civily.

W. H. Carmall, M. C. O'Conner, * E. W. Smith, * W. S. Rinssell,

W. L. Barber.

New London County.

A. T. Douglas, L. B. Almy, William P. Barber, P. Cassidy,

A. W. Nelson.

Finefield County.

A. L. Williams, A. W. Lyens, W. S. Todd, W. B. Cogswell,

EC. H. Osborne.

Hudban Courty.

t.N. W. Sankorn, C. E. Hill, * F. G. Sawtello, * W. W. Foster,

O. H. Griggs.

⁵ Deteams.

[&]quot;Absout.

^{*}Present in relativistic, vis., A. A. Bolice, W. H. Donaldess, C. N. Aber.

Middlesez County.

M. C. Hazen, C. A. Soara Rules Baker, W. E. Fisher,

C. E. Starley.

Littlett County

*C. O. Beiden

* W S. Munger, J. H. North,

* B. A. Marcy.

Tolland County.

W. C. Haven.

A. R. Goodrich

C B. Newton,

PRESIDENTS ADDRESS TO THE PELLOWS.

Fellows and Heattenant.

By the exercise of your aind suffrages you have conferred upon me the distinguished compliment of acting as your president at the nitoty-lifth anniversary of the Connecticut Medical Society, and while bumbly asking your indulgence for many shortcomings, sermit me at the same time to express my heartfelt thanks for the great honor received at your hands.

It is with much satisfaction that I am enabled to congruinlate you upon the continued and increasing prospectly of our society; at no time to its bistory has its power been as great, and its influence more extended than to-day. This is in a large measure due to the fact that the prefession are all the time becoming more and more impressed with the measurity for active and efficient society organization, and as mount to this end, one of the first truths that the young graduate should have instilled into his mind is the duty of immediately connecting himself with his county society, and becoming an active working member of the same.

The physician who ignores his acciety privileges inflicts upon himself great harm, and I think the time not distant when the man who helds himself hanght ily aloof will suffer diagram in the eyes of his medical heathern as well as the public at large. With profound sources and regret I have the said duty to annuance the vice-president's chair vacant. Dr. Sumuel Hutchins deed very suddealy last January in the full strength of his usefulness, succeedy and deeply mourned by all whose good feature it was to have come within the circle of his influence. This is the first time for a long period, if ever, that a vice-president has died during his term of office, and I think it incurabent upon the society to express in some particular manner its sense of the medorume it has are mixed. I would suggest that a committee he appointed to prepare smaller resolutions of respect and regret, and that the same form a part of the permanent records, also that a copy be presented to the family of the late vice-president.

Again I have to recall to your recollection the feath of an expresedent, Dr. Ashtel Woodward of Franklin. Dr. Woodward passed away last winter in the ripe meturity of age. He issoally died in the harness, and many mourn the absence of his skillful ministration and genial presence.

This part of my duty would be most imperfectly performed still fail to amounts the very recent, and to most of us, unexpected death of Dr. A. M. Shew. The doctor was in the prime of life sed intellectual rigor, a most devoted allegent to his profession, seek particularly to that branch of which he had made himself a master.

Other members equally beloved and regretted bare died; their obstuaries will be unaconced by those specially appointed to the office. The matters of interest that present themselves for our consideration are few, and I shall occupy only a short than in their discussion. The first object that I will bring so your attractor is the absolute necessity of devoting more time to the adentific part of our meetings. Every year we have offered many valuable papers, which for want of opportunity are read by title, and our signed to the oblivion of the "Proceedings." This should be at once remedied; it is poor encouragement to a man to spend hours, and perhaps slaye, in the proparation of a paper, and then be deprived of a chance to read the same.

Last your we had less than three hours decord to literary work. I would propose that either we have a morning receing and aftertions senion, postpaining the dinner until evening, or that we add another day. The stibject of medical education has always evenpted a prominent place in the consideration of this seciety, and it is a matter for just pride that we can point to an early recognition of the secessity of a good preliminary education in those designing the study of medicine. If one will refer to our by-laws (chapter in of Medical Education) possed May, 1847, he will our defined the manner in which a student can be admitted to the study of medicine, the branches upon which he must be examined, and who shall conduct the examination. Again, in 1882, the distinct the Board of Consorn" were specified, and our reads as follows:

"The duties of the bosed shall be to examine and pass upon the qualifications of any person presented to them, proposing to enter as a subject of medicine," (ic. (see Proceedings, 1882, page 23.)

We thus see that nearly forty years ago our society passed have compalling a good preliminary education in those about to enter upon the study of medicine. Now, as we have the usums already provided to secure this end, would it not be well to put them unto action?

While it must be admirted by all, that the procurement of an effective State law on "Medical Education and Practice," would be a most describbs attainment, I question very much if the time is oppositute for the attempt. Any law to be of value, must have the support of pulific opinion, without which it is little better than waste paper. In the minds of the American people, there is a very firmly-rooted belief, that they are capable of choosing their own professional advisers, medical clerical, and logal without State aid, and they are very intolorant of any interference with this privilege. Now, when we can so educate the public, that when epidemics threaten and disease invades their honeholds, they will find in the honest and educated physician their best friend and varest protector, then they themselves will demand laws, compelling the aunitolation of the protecter and charlatan. However, as this happy period has not wrived, and as twenty to more States have passed laws on "Medical Education and Practice," I think it would be well if we had a standing committee, whose becomes it should be to investigate the practical workings of these laws, to secretain low far they fulfill the ends so loodly entiripated by their spanners, and baying accomplished this purpose to report at these estra informa-

Is does, however, seem to me that the time has arrived when it would be proper to agitate the question of asking State at for a hospital devoted to the treatment of inclusives and dipsomariaes. The few moments at my estimated do not permit of any extended comment on this matter. This object we now seek to accomplish through the medium of the private asylums; here the great denyhark has been, want of legal power to compel the patient to remain longer than his own will dictates, and also the great expense naccosarily attending the use of these valuable institutions.

Many a noble ido, wrecked by some unexpected mental or physical shock, has become a statim to alcohel or some other equally deletersom agent, these unformmates, by their own unaided offerts, are as powerless to break the chains that bind them as water to flow up hill.

My experience compels the belief that their only hope of instruction consists in their being placed for a sufficient length of time in a well-regulated institution, where the procurement of conversational stimulates in a physical impossibility, and that their estention should be compelsory until their mental and physical braith is completely restored. After this their luture course is subject to their own solution.

The Society is in debt; this unfortunate condition has arisen from a resolution passed had session, ordering the expenses incurred in publishing the back numbers of the "Proceedings" to be paid out of the miney then in the treasury; this money had just been received, and was the dues paid in by the County Societies for the nument expenses of the year; consequently their appropriation to an unusual and has council the outburranment. It seems most proper that the resolution should be repealed, and the furnite resolution imposing a special tax on such member for this purpose, he restracted; the treasurer, in his report, will present this subject in detail.

The proposition of charge of charter is the most momentous question that has over agitated this body. It has been so extransitively presented to your attention that it is unnecessary for me to offer any suggestions, excepting to besseth you to approach its consideration uninfluenced by passion or prejudice, and fearliesly give your rote to what you consider to be for the best future interests of the Connecticnt Medical Society.

The President then announced the following reconsisteer:

On Guffeinhal Hemister.

W. H. Carmalt, M.D. W. W. W. Foster, M.D. Baker, M.D.

On County Months.

L. B. Almy, M.D. (). B. Grigge, M.D. W. B. Coguwell, M.D.

On Business.

S. H. St. John, M.D., er-gloss. P. H. Ingalls, M.D.
William Denning, M.D.

On Houseway Members and Degrees.

P. Cassedy, M.D. J. H. Gramess, M.D. A. L. Williams, M.D.

Author Committee

E. F. Parsons, M.D. Rienzi Rolmson, M.D.

To Name and Kongons.

M. C. White, M.D. A. R. Goodrich, M.D.

The Treasurer's report for the past year was then read by the Treasurer, Dr. Swassy.

REPORT OF THEASURE FOR YEAR EXPOSE MAY, 1886.

Balanos from thi account,			\$619.12
Received during fiscal year,			801.80
Total,	-		51,223,92
Expediture,			765.99
Balance in treasury, May, 1886,			548.02
Diminution of receipts from 1884,		-	186.49
Increase of capeases, .	4		416.50
Exons of expenses over receipts,			101.10
Distriction from bulance of last year,			191.10

Amount day on tarry of 1885.

Harrised Co.	saly.		- 6 -			Nothing
Windham	0.					
Tolland	m					
New Landon	County	, IE	64.50m =	\$26 less	10 per cont.	823,40
Pairfield.	- 11	16	= oots	\$32 lma	10 per cont.,	28.80
Middlesex	- 11	111	= code	\$1 linx 1	0 per out.;	7.20
New Haves	-	TAS	taxox =	\$28 See	10 per ceta.	28.20
Linelifield	100	100	axee =	\$20 femi	10 per cent.	13000
Tree	d,	-	4		-	\$102.60

This can hardly be considered a report satisfactory to the society, for, while the assume due on taxes the past year is not so great as in some former years, it shows a steady increase since 1881, In the past ten years the least indebtedness was in 1870, amounting to \$24.30; the largest, 1876, \$142.20.

Last year I reported no return from Litchfield County, but this was satisfactorily explained, and all but \$5.40 of the amount due paid before the close of the year. The present year, bowever, finds this county in arrears to the amount above stated, and, save Hartford, Tolland, and Windham, whose taxes are always paid in full, there is a falling off in the collection in each of the other counties.

The deficit, as I have stated in other reports, is not due to negligence on the part of the elerks, for I am confident they have used the utmost diligence and endeavor to make full returns.

An explanation of this difficulty in collecting I will not attempt to give, probably it is varied; but I am pleased to present a suggestion that may help matters acmorably, viz. that the Secretary be empowered to withhold the Transactions from all members in arrown.

It has also been suggested that all taxes be paid by May let, and that an additional 10 per cent, be levied on all taxes not paid at that time. It would be a very small return to the clerks for their much tried patterner.

The Secrety is still in debt to the amount of \$397.86, incurred in the publication of the "10d Proceedings". With the balance of each on hand we shall be unable to used this indebtedness and the expresse of the current year, unless some extra procedures made, which is to be considered in the unlinkbed business of last year.

The special committee appointed at the last meeting to obtain an expression of opinion in regard to the adoption of the main features of the proposed charter from every termber of the society then reported as follows:

REPORT OF COMMITTEE ON PROPOSED CHARTER.

The undersigned, having been appointed a committee to obtain an expression of opinion and wishes to regard to the adoption of the main features of the proposed cluster, from every member of the State society, would respectfully report:

That they sent by small to overy member of the society a circular explaining the nature and objects of the changes proposed, accompanied by a blank form of ballot, respecting each member to fill out the blanks so as to express his opinion and wishes, and return the same over his own signature. To this circular we have received 323 written answers as follows:

1st. 258 in favor and 85 opposed to that part of access 2 of the proposed charter which provides that all physicians and surgeons now members, and all who shall be hereafter admitted, shall be Fellows of the Connecticut Medical Society.

2d. 233 in favor and 32 opposed to luving each annual county meeting appoint a committee corresponding to the former number of Februs, charged with the duty attending to the wahes of their county meeting in the annual meeting of the Stale society, but that all members present here equal powers to speak and note at such meetings.

3d. 257 in favor and 52 opposed to retaining the power which the society already possesses, to grant licenses for the practice of medicine in such rare cases as the society may approve

4th. 10s in favor and 17 opposed to abiliting the old form of collecting tures by legal process, as found in section 5 of the old charter, which form has become edious and obsolve, and which has been superseded by a better method fixed in our by-laws.

By these returns it appears that nearly four-fifths of the society are in favor of the proposed charter.

The purport and design of the second proposition of this hallot, which the committee distinctly stated in the currellar was not ementral to their report, was crossed or ignored by 49 of the respondents.

The sentiment expressed by those who voted in favor of that

proposition, can as the commutes believe, be appropriately provided for in the by laws

In view of the returns received by your committee, they would

respectfully propose for adoption the following

In Iral, by the President and Fellows of the Connecticat Medical Society that we appeare and adopt the proposed sharter now mader consideration, and that a committee of three is appointed to obtain its approval by the General Amenday at its next session.

Reschool. That a committee he appointed to consider and prepare such changes in our by-have as may be required in rare like and charter is approved by the General Assembly.

Respectfully calmitted,

Mous C. Warre, Levy S. Partock, William G. Browner.

Dr. Paddork, one of the committee protested against the reception of the appeared resolution as part of the committee's report. He did not believe that the resultant vote as appeared from those returns represented the true feeding of the autocritics.

Dr. White did not care to contine the resolution with the report of objection was made, and the report without the oscilution was received, and the committee discharged.

Dr. Halbard then moved the adoption of the resolution.

Dr. Carmall objected - that the committee in obtaining this votehad exceeded their instructions and had sent out an argumentality circular, with regions references to Dr. Hubbard's article in the list Proceedings, which was an argument for the new charter. Moreover, the circular was mideading, since it stated that every State medical except in New England, except our own allowed enery member to participate directly in the election of officers and the transaction of general bosoness. This Dr. Carmalt showed not to be the case, by reading from the constitution and by-laws of the Massachusetts Medical Society, from which it appeared that that society was organized almost exactly like our own; delegates corresponding to our "Fellows" bring elected by the district medical societies, and those diflegates having charge of election of officers, appointment of committees, admission and dismissal of tiembers, determination of place and time of morning, and in general all the leaguess that be entrusted to our Pettows. The statement in the article referred to, that in Mauschissetts every momber is a fellow was mideading, for in that State the terms member and fellow are synonymous, while the term "comciller" corresponds to our "fellow." In view of the fact that the vote above given had been obtained by such a circular as this, Dr. Carmalt thought it was of no value as an index of the opinion of the members subscribing their names. He also address the example of the Michigan State Society, which for twenty years had been organized upon the mass meeting principle, and had become no directioned with the waste of time over neu-professional matters. and the attention given to unscientific schools, that they had appointed a committee on reorganization, which committee had just recommended a plan, the main feature of which was just what this new charter would take away from us, vic.; a representative governing body.

Dr. Beckwith thought that if a man was it to be a member of this ascists he was fit to vote in We beginned mostings and ough to be allowed to do so, and that this would give him a greater interest in the decage of the argisty.

Br. Cassily spoke in favor of retaining the old charter, believing that the new offered greater changes for parking meetings with these favoring beal projects.

Dr. Dougha said the New London County Society has instructed their delegates to vote for the out charter, but he shi not regard that yets passed by a few men at the county meeting as briding and should not do so. He thought that the same men were west your often year as follows, and so the management was in the hands of a few.

Dr. Waisweight believed that this was a question to be decided by the country members. If the new clarier was adopted the city members would have the advantage, hence it sught not to be thrust upon the country members against cloir wishes

Dr. Wile said he was in favor of the now charter last year, but now he was opposed to it, as he saw what an opportunity it would give to the members representing the larger cities to carry any scheme they might wish to even against the wishes of the untire remainder of the society.

Dr. Hanen spoke in favor of retaining the real charter; Drs. Goodneh and Bablard in layor of the new one: the latter stains ing that the vote as reported by the current two showed that a large proposidement of scattered by in favor of a charge.

Dr. Granaise moved to by the question on the table for one war.

Dr. Douglas moved to amend by referring a to the same committee as feature, to obtain a vote by sircular, which should be tinding. The amendment was decimed out of order, and a vote was taken on the motion to table, which was lost by a vote of tracks to twenty from:

After further discussion the tree was taken on the original resolution of Dr. Hubbard, resulting as follows. For the old charter, treesty dive, for the new charter, eight.

The Nominating Committee consisting of

Due, W. W. Kasser, Hartford County, M. C. O'Coxxan, New Haven County, A. T. Debunas, New London County, W. S. Tson, Fairfield County, C. E. Hina, Windham County, M. C. Haxes, Middlesex County, Wa. Domso, Linchfield County, A. R. Goromen, Tolland County,

then brought in their report as follows:

President, Dr. T. M. Hills of Willimarnic, View President, Dr. Francis Bacon of New Haven, Security, Dr. S. B. St. John of Harnford, Theorems, Dr. E. P. Swaney of New Butain.

W. C. Wile, M.D., A. W. Nelsen, M.D., E. K. Root, M.D.

Committee to Nominate Physician to the Retoni for the James. R. W. Griswold, M.D., P. V. Birmett, M.D.

Committee of Publishers.

1. W. Lyon, M.D., Secretary and Treasurer (ex-opinis).

Cismille of Armsymosts.

H. P. Steams, M.D., W. W. Knight, M.D., Geo. R. Shepherd, M.D.

Dissertator.

A. E. Ahrami, M.D.

Alberraile.

W. H. Carmala, M.D.

Delogates to American Moderal Association.

Des. Geo. F. Lawis (Bridgeport), C. A. Lundsley, Geo. C. Jarvis, R. W. Matthewson, T. F. Bockwell, W. J. Fort, F. N. Braman, C. J. Fox, W. G. Wills.

> Delegates to Males Medical Association, Dr. Budius Baker, Dr. N. Nickemon,

Dr. A. W. Bell. Dr. C. B. Newton,

Delignin is Vorment Medical Association, Dr. J. N. Bell, Dr. P. Cambly.

Dr. H. L. Hammend, Dr. H. S. Otto.

Dr. A. R. Gondrich, Dr. M. A. Cremus.

Dr. W. G. Brownen, Dr. M. C. Hazen

Philyana is Non-York Medical Association. Dr. A. T. Benglan, Dr. F. L. Dibble.

The Secretary was marrieded to cast the hallest of the nonetyfre the homogony efform, who were declared elected.

The Committee on Unimished Business reported favorably on the amendment offseed has year, empowering County Clerks to deep the names of members who personnelly refuse to pay their taxes though able to do so, recommeding that the time be invited to two years before dropping the name. The report was received and the committee discharged, but no action taken as it was found that she By Laws provided sufficiently for the purpose already.

Fixed. That the named tax of \$2, payable on and after June 1, 1886, he atomical on each member of the Society, size, that 780

copies of the Processings be published.

Food, That an additional tax of \$1.25, payable on and after June I, 1886, be assessed on each member of the Society, subject to relate in properties to the subscriptions paid in by the respective counties to defray the expense of printing the taxly proceedings of the society.

The Convention than adjourned to meet the 1th Wednesday in May, 1887, at Hantford.

S. B. Sr. Jans, M.D., Secretary.

THE ANNUAL CONVENTION.

THE REAL May 27th.

The second day's exercises began at 0 o'clock, with the report of the Secretary, as follows:

SECRETARY'S REPORT.

The membership of the society has been well maintained during the past year. From all counties we have an accession of thirtyfour new members. New Haven County again comes to the fresh with 16, followed by Middlesex with 7, New London with 6, Fairfield a, Harrison and Winshiam 3 such, and Tolland 1.

Our mertnary list is greater by one than had your. Nine of our number have passed away, and of these fire belonged to one county. New Havon: Hartford, Middlews, Windham, and New London shawing our each. Of this number, three had borne the burden and heat of the day for a full half-century since their graduation, and two more for about forty years. The death of Dr. Hutchins haves the Society for the time without a Vice-President, the first instance for many years, at least, when a Vice-President of this society has died in office. A former President, Ashber Woodward, has also passed from among us. Two re movals or dismosals from county societies lower as with a net gain of sixteen, or a total membership of \$10.

The following is a list of new members, with date and place of graduation:

Frederick T. Simpson, Hartford, 1884, Minns Medical School.

Geo. R. Miller, Hartfurd, 1888, College of Physicians and Surgeom, Haltimore.

Chas C. Beach, Hartford, 1881, College of Physicians and Surgeons, New York.

Chas M. Downes, New Haven, 1883, Yale,

Oliver T. Osborno, New Haven, 1884, Valu-

Martha M. Dunn, Waterbury, 1979, Women's College, Pa.

Lary C. Cramer, New Haves, 1885, Women's College, Pa.

Wm. G. Daggett, New Haven, 1885, University of Pennsylvania.

Louis S. De Forest, Nos. Haven, 1885. University of Jens.

Win E. Luckwood, New Haven, 1858, Yale.

J. H. Knuc, Meridan, 1885, Long Island College.

A. J. Tenney, Bratilicel, 1883, Yale,

W. L. Havens, Hamdon, 1885, College of Physicians and Surgeoro, New York.

Goo. F. Lewis, Stratford, 1884, Yalo.

Gio. E. Lemmur, Danbury, 1885, Believus Hospital Medical College.

A. L. Scott, Darkiny, 1885, College of Physicians and Surgeons, New York.

Henry Bodgett, Bridgeport, 1881, Bellevae Hospital Medical College.

Jacobs D. Dalton, Willimantic, 1871, University of New York, David Samuel, Willimantic, 1846, Vectorus College, Montreal,

Kimball K. Dwight, Williamreie, 1886, College of Physicians and Surgeons, Baltimore,

Jas. R. Fuller, New London, 1875, Bellevne.

 F. Cennin, New Loution, 1882, College of Physicians and Surgeons, New York.

J. W. Dars, New Landon, 1881, Bellayan,

W. K. Tingley, Norwick, 1886, Bollayar.

B. W. Rohmson, Golchester, 1809, College of Rhysecians and Surgeons, New York.

 Is. Chang Colshoure, 1800. College of Physicians and Surgeons, New York:

F. B. Halleck, Cromwell 1885, College of Physicsum and Surgeom, New York.

C. P. Linguist, Fortland, 1882, Valu-

M. D. Murphy, Midwatown, 1984, Bellerus.

Frank B. Look, Middletown, 1884, Brawdein.

Jao E. Bailey, Middletown, 1888, College of Physicians and Surgeons, New York.

Jnc. H. Moody, Beep River, 1883, University of New York.

Arthur J. Campbell, Portland, 1885, College of Physicians and Surgeons, Baltimore.

Simon W. Houghton, Somera 1879, Bellevus.

The Committee on Matters of Professional Interest reported the cigh the Chairman, Dr. C. J. Pox.

The consulties soul out a circular, which will be found in the Beport further on (Appendix A), together with some of the responses. The death of Dr. Show, a member of the committee, called forth a well-membed tribute to his value as a member of the Society.

Dry, Browning and Palmer, delegator from the Rhode Island Society, were introduced, and spoke injudy, as did also Dr. Bublard, delegate from the New York State Medical Association, and Dr. Cetting of Boston, an boardary member of the Society.

Drs. Hammond, Worthington, and Carmult made brief verbal reports regarding the meetings of the Maine, Massachussotts, and Rhode Island Associations, respectively, and Dr. S. G. Hubbard read a report of the meeting of New York State Medical Association. (Appendix B.)

Dr. F. E. Beckwith then read a dissertation upon "Treatment of Lacoration of the Carvix Uton." Disenseous followed: (See page 43.)

Dr. Wright read an Kessy on "The Microscope is its relation to Dissand" with special returners to the so-collect tierm. Dissand, which was fully illustrated by the exhibition of the buelline takenrisons, the common barillass of cholers, etc.

Dr. Shaton's Kenny "Cl-Tempora, O Morea," was then real, being a protest against the ramporal forms of quarkery rils in our midd. As perfected to the effections which followed, the reporof the Committee on Medical Education—appeared but year was called for, and read by the Secretary. (See Appendix C.)

Dr. Carrington moved that the Society appoint a committee to confer with representatives of the Hemotography and Edertic Secretion, to reference to more practical action booking to the adoption of some such set on that recommended by the American Medical Association. After discussion by Drs. Hubbard, Paddock, Along, and Nedeon Dr. Bonglas moved an amendment to refer the question to the Board of Health. Dr. Lindsley did not favor this reference, but said the Board of Health would assist in every way in its power. The amendment was lost, and the original motion was carried. The President appointed as this committee, Drs. Casrington, Wainweight, and M. C. White.

Dr. Munger read on Essay on "Morbon Enghtii," especially in reference to its influence on other diseases.

Dr. Gilbert rend an Essay on * Prosmonia."

Dr. White read a report of a case of Transmatic Epilopsy, with just service examination, (Instructing it with a plaster rast and photographs of the brain

The Committee to Nominate Emplits reported the following

Jas. Campbell, M.D., Hartford County, H. E. Smith, M.D., New Haven " H. P. Gells, M.D., Pairfield " J. R. Parker, M.D., Windlam " C. E. French, M.D., Linchteld " F. J. Heckwith, M.D., New London " Jas. Oliceted, M.D., Middlesex " T. F. Bockwell, M.D., Tolland "

The accord then ajourned for the annual dimest at the New Haven House,

S. B. St. JOHN, M.D., Secretory.

PRESIDENT'S ADDRESS.

A STUDY OF DIABETES MELLITUS.

Gentlemen of the Connecticut Medical Streety:

There are certain physiological and pull-ological conditions of the human economy, the study of which is a gradual unfolding of the progress of econtific medicine.

Few discount illustrate that fact better than the one I propose briefly to discuss this morning, viz.: Diabetes Mellitus. The name diabetes is derived from two Greek words, dis, through and bains, to move or pass. It is not very happily chosen, and in its adoption we may perhaps discorn the grim humor of some wrotched virtim.

The disease seems to have been known from the earliest time, for we find that it is, to a certain extent, described by the fathers of medicine. Celsus speaks of a condition manifested by an inordinate increase of units, leading to omagation, and torintnating fatally. Areturn and Gulen afterwards treated of the disease more at length, and the former gave it the name. Aretiens thought the element to be the our of the discuss, while Galen maintained that the kidneys were the effending organs. Paracelone took the rather functful view than the distrests was caused by the exceeding formation of salt in the blood. Cardino, econ after, was the first to record observations regarding the amount of food and drink taken and the quantity of urms passed. From these early times but little advance seems to have been made in the knowledge of diabetes until the latter part of the seventeenth century, when Thomas Willis, in 1814, abtained for himself great renown by announcing the fact, heretofore unknown, that the urine of diabetics contained a awest substance; he observed that bees eleptered around the spot where a patient had just before iniciumood. A hundred years now passed before the next great step was made. In 1774, Dobson and Pole about the same time. found the blood of diabetics to be sweeter than ordinary blood. Home and Cowley soon after, in 1796, showed sugar obtained

from the titing. About the close of the rights only criticity a gross. advance was made by John Rolls, an army surgeon, who observed the injurious effect of vigetable food, and organized in occlasively. amount that in the free times of this disease. In 1815, M. Cheyrenz demonstrated that district organ resembled that obtained from starch. In 1821, Testoman and Graslin discovered that sugar is the normal product of the digostion of starchy substance. Ambrookens in 1815, was the first to descreening positively the possmooth sugar in the blood. This, so we have more had been precounty majorities I by Dobson and others on account of its oweet train, and hy Ballo, by remon of its remoting pater/actions has before Ambresians, the grow autuma chemiate had failed in the demonstration. Mr. McGregor of Glassow, research the learnerstrations, and published his researches is 1837. The experiments of Dunas Revelociat, Louis, and others showed that sugar could be changed into actio wild by seems of a formust, and similin destroyed by means of an alkali;

Caude Bernard, in 1888, assurabed the whole motival world. by his brilliand and original experiments showing the relation of the liver to organ formation, and organ, in 1838, that artificial diabelow could be produced in animals for panetage of the modelly. obleagers in the door of the fourth matricle. A brook return of his observations (which can be found at longth in the most admirable paper of Lander Broaton) may not to out of plane. Her and found that whos anotherine food was given to an around by large quantities regar sould be found in the blood of the point you, in the your-cave, and in the right solved the loant. On repenalty the experiment with annuals deprived of sugar and oursia. and ful on meat entirely, he still found sugar in the blood of the right heart and year-cave, and that it entered the cave with the aloud of the hepatic vera; super was also persons in large quantithen in the liver, but about in the blood of the portal year. This continued view markedly with his presions experiments when animale were fed on a mornarine dist; then the blood of the portal with was rich in sugar. New on an entirely most declarage in the bland of the portal con was about, but in the blood flowing from the layer argue was again alternated. From these observations he consinded that the Ever had the power of forming sugar. He selecting a stream of water through the portal sets as a liver

removed from the body. Bernard found that he could wosh out all the length from the organ, but that after folding the liver Se for a while and repeating the experiment sugar mode again to extracted, as all the blood had been washed out by the first experiment if was wrident that the sugar could not come from it, but from some substance oversized in the liver itself. This substance, from colonguest observation, he found to remorble stank in its belowice, and that it could be converted into upar by boding with dilists while, and by the action of different formula. Because collect it glycogus, and this is the same by which it is more generalisknown. Other physiologists have railed it by various rumes, or united starch anteloid substance, etc. Bernard societed that the dessetion obtained from the liver of an animal fed on statel and sugar was quite milky, while that from one fed in Both above was much less so. This indicated that in the former the layer contained much glycogen; and in the latter little; he also observes that the blood in the legatic win contained about the same amount of segar, whether the animal got a dist rich in eight, or one containing none. He was thus led to the conclusion that one great function of the liver was to arrest the products of digestion on their way from the intestines into the general circulation, as this function is performed by the conversion of sugar into glynagen be called it the glycogenetic inaction, while the conversion of glycegen into stight again as known as the glycogenic function. These views gave rise to great discussion, and there is hardly a physiologust of note who has not taken a band in the centest. The experiments have been repeated, contradicted, again continued, and modified at almost every conversable way, but there is to-day, probably, as fast more generally accepted than that of the olymgenetal function of the liver as discovered by Bernard,

Swring from the celebrated practum of Bernard, it has been found that glycovaria can be artificially produced by any egong that interferes with the mormal action of the encounter section governing the carculation in the fiver, whether that interference be either directly or reflexity applied, or some correctly speaking, may interference of the rase motors that course an increased and accelerated flow of blood through the remed of the liver. This transmitted nerve contor is remed in the perfulla addragata. The uncounter nerve contor is remed in the perfulla addragata. The uncounter nerve contor is remed in the perfulla addragata. The uncounter nerves for the liver pass from the center-storm the upinal could be a remain distance, then proceed through more of the some

numbering branches to the sympathetic cord, and through the splatedinic zeroes to the liver. The exact point at which they leave the spiral cord and pass to the sympathetic print quite certure. The ingenious experiments undertaking to elucidate this point are extremely interesting, but the time at my command does not permit a review of them.

Cantani devides the hotory of diabetes into four periods. This commences with Arctans and Gales in which the presence of engar in the urins was recognised, but are understood. The second, which commences with Willia, in which the symptomatology of diabetes was established. The third with Ballia, who, more than his predicessors, present a practical end abite discreting the theories of the disease. The fourth commenced with Claude Bernard, who by his world-renowned experiments demonstrated the engar-forming function of the lower. Improgen is no found in the liver alone, but in the number and other organs, particularly where young con-development is in active progress.

ETPOLOUT.

The capies of this earliess disease excepting when we are true some frammalism, are very obscure. It is more frequent in nonthan in women by about the proportion of three to one, exchaling the mass of temporary glasseerin that occur dairing prognancy and lartation. Age also exerts an influence; it may seem at sity limit from early semb to enfrence old ago, although it is most common from form to sixty. In early life the docume is very rapid and faral. Herolicary collection are not strongly marked, the children of elabetics as a rule out showing the deeme, allbeingh the bindoney may agrees easy strongly in a single procession, and serend brothers and altters to affected. The disease is very commonit uses work, in far, stood people, often of a goody liabill, more parely it occurs in this, active persons of a nervous temperament. Habits of hije are supposed to have an influence, as a in oftener observed among the affinest, and well-to-do clause, than in the opposits walks of life. The trouble appears to have been frequently socited by howe and approse to the head and general shock Violent and degreeing treations, and great mental exertion and sorry, are often certifing causes. It is very interesting at times to watch the effect of mental coertion in diabetes. I have but since 1573 mater my care a gettleman, who when he is living a

quart life with a proper diet, has built or no sugar in his trine, and onjoys point books, but let him perform active mintal labor, as he will no at times in spins of anties, sugar will appear in his arms, and no will entire from many distense symptoms. Warned by his had feedings to will again autust to does and quiet, when the sugar will ampear and his health hasoline re-stablished. The quarties that continuity prosents that it to my minds to shether distincts arises from a deficient conversion of sugar and glycogen, or from a dimminhed combination of sugar in the hosts. But time permit, a review of the most complete and able discussion of this point his Lander Brunton would reveal much traffs, but I will only refer to the concluding paragraphs, which I will quote. He says

The aver has two functions, first, that of raking up the eight which it receives from the intestines, and converting it into glycogen, and second, that of forming eager again from the glycogen. The muscles probably possess three functions flow, they take ap sugar from the blood, and convert it into glycogen accord, that of forming engar again from the glycogen, and think they change took the sugar thry form, and the greater part of that they receive from the blood, into lastic acid and glycomic, which undergo exclusion.

Diabons may robe from increased formation of sugar due to consultedy rapid digestion of starch or sugar. First, to failure or superfection in the glycogenic function of the aver, and possibly to more content about the numerics. Surenit, to increased transformation of glycogen into ougar, since to announted circulation through the liver, or a larger proportion of formant in the argue or in the first, or a larger proportion of formant in the argue or in the first, or an interest combination this first, wither to non-face only of the ferment which should convert the argue into large with and glycorine; covered, form about quality or the regar witch enables of the ment the action of the ferments; or then, to among with another terminates; or then, to annother country sufficiently into contact with the ferment."

BY MEYO MA

This disease of times cause on very haddenly. A person supposing bilands to be a perfect health in the appears, along and diposition are approved instead, nations an industribular feeling of summing and receives from the peak over him and he ingine

to observe that he is looing flish; at the same time his nights are disprosed by frequent calls to mictures, and he finds he is passing larger amounts of urine than is normal; coincident with this is an under thirst and drynese of the mouth, which soon becomes a roost distressing symptom - drink trater as fresh as he will the tengue and mouth are as dry as before. The skin becomes dry and largic perspiration about, and often an intense striking in experienced. At the same time built and eartuncles present themeilies, and are a source of great agreement and danger. A sympten which is insquarity most amoving and often smorg the earliest personned to an intolerable delring at the end of the methram the male, and the sules in the female; when this has occurs it should always lead to an examination of the price inclination and power are diminished and often completely destrayed. The arise is drabeted is posseally increased, often assouting to eighty or a handred centree in a day, puls straw color, and emitting on standing a poculiar other. The specific gravity is high, ranging from normal to even 1858 to 1068, remmenty it is between 1920 and 1945. This impress is gravity is not wholly due to the mgar, but it is also influenced by the quantity of tires which may arise to a proportion two or three (term assurer than the normal. The merson of ures is due to the largely instrong communition of narogenous dist, and to the greener and to morphous of natrogrenous tissue. A very musicable and quite constant symptom is the peculiar odor of the breads; this is some times no rateurs as to peryode the whole managhare of a room. It has been compared to the odor gives off by apple, units to mur beer and again to obligations. Yo me a to upon like the six of a room as whith other has been freely used. This external below is at times concreted in the breath of segments, and probatly romes from the some source, viz. the destructive product of alcohol in the blood. As the disease progresses, dyspepsis and indigostion replace the previous good and excessive appoints, which marked the surier stages; the towels are generally constituted. "The ensure of martenic and extrated and of savges inhered in loss there must, and it has been found by Pettenksofer and others that diabetic patients less the power of storing aporeign in the body during the night for militarian during the day ? The memary is recen impaired, the perious because irritable, low sounded. and importionalizated. Fing a complained of in various parts of

the tody, perticularly cramps in the legs. Much less often the trouble conneces subdively and with great extently. The deration of the disease varies greatly, in the very young and in children it is very rapid and fatal; in the adult, however, it is much less so, It is believed that in some cases the disease may exist a long period of time without the patient being hardly aware of its presence. In the generality of cases the progress is onward unless interfered with by appropriate treatment. Grissinger mys the usual time in between two and three years, although with proper care this may be prolonged considerably.

Bouchardat thinks that a disdetic properly treated has as much chance of living a long time as a man in health.

Potents most often the from complications as pathies, parameter, surface gangress of the lung, acatomassis, and diabetic cons. the latter, in my very limited observations, the most common, and the most to be discalled.

Thisbetic come norms late in the disease, and it age to terminate it. It is generally preceded by a train of nervous symptoms to which the word acctons one is properly applied, while the terminatein cours should be used to express the last condition. The autonomous and come are supposed to be produced by the accumulation of the blood of austons, or aerican producing substances, acros acrite acid.

The phenomena attending accloarum are carious, as herefathe. dimines. Graveness, delimins, soors pain in the stomark, and epogustrium, and also in the missions, counting, and diarrhous, cramps in muscles, siz. A pscalar kind of pinting dropson. attends the condition. The breath and it times the crime gires. of a peculiar ofor described before. The symptons may coursold-raly, or he quite gradual in their appearance. Some seiters, have attempted to drug the assemi posturing and monito the emptons to some a. I thank anyon who has witnessed the two conditions will need me argument to make him acknowledge their difference. Balphy has descend attention to the close againstity of symptoms accompanying neutonamia, and those of yellow stoodly of the liver from neate absorptorous potenting. The same solden share reference pair, the removing and greated disturbmore the peculiar posting respiration, the debriens followed by the come, the progress and feeling poles, are all common to both (Henry

Train speaks of a diabetic neuralgia, characterized by chiefly attacking the inferior decial and might survey and is very obstructe.

The blood, which normally contains a small amount of eagar, is in diabetes much richer in this substance, so much so that the phoens which has a normal specific gravity of a 1975 has been found to be as high as 1833, also, for has been recognized to be present in each quantities at times, as to impart a tilky appears as to the phoens; from this cause, probably, arise the fatty embolance found in the papolismes of the lungs as described by carious writers.

It is a suggestive fact to know that in februa conditions of the system the quantity of engar in the inter of the parious is decidedly downsided.

Whether there are varieties of distance of and is still at open question; some contend that the distance that although fat, enterly people, and which allows them to five in compactive constort for a long time, is a very different affair from that grace describer attacking less people, which specify comes must protein obseques in their multition. Others contend that they are the same thing exhibited under different degrees of intensity.

Figuretia Beaumetr sure that from a therapeutic share-point he would class the patients sate three principal groups: the slight, the medium, and the grave-form. In the first the engar small rapelly distinct and disappear noder proper treatment in the second, under the same treatment, the patient would represe, the same distinct, but could not be made to entirely despited, in the third, do what you could by the unst rapid dust and appropriate treatment, the amount of sugar would still remove large, and the patient progress to a final termination.

PRADSCOLL.

The one great point that entablishes the diagnosis of diabetin mellions in the persistent personne of grape sugar in the uring. An Pethergell says, not avery glycomine storm is diabeted, and to entablish the diagnosis the patient urner to under observation for a authorist sought of time to accomplish this purpose. Of course the conclusion can be much more readily arrived at a time other symptoms, as excessive thirst, integer, and illumits are provide. The diameter must bloody to be conforming with the are under some

sideration is disjuster suspidus, but a chemical examination of the units will remove this sould,

I shall not denot you by describing the various tests that are in use for the detection of grape sugar in the urise. The one uses commonly used is that known as Febling's; this test, when properly propered and carefully used as perfectly interfactory, and can admit of no error. Professor Austin Flint, Jr., has published an improved formula for making Fibling's solution which I will take the liberty to quote: "For the solution of rapire subplace, no purified subplate of repper in granulus crystals air-dreal, weigh 217 grains (17.32 gras) of the salt, and dissolve it in about a fault cancer (128 or.) of matilled water adding about a minus ([or.) of pure subplants sold. Additionally water to this addition to make 8; fluid ounces (200 or.).

"For the solution of alkaline tartitates, weigh 2 sinuse. 291 grains (87.5 gras.) of recrystalized subseptembre tartitate or Euclidean still, and dissolve it to algorith fluid enters (175 cc.) of stability mater. Finer the solution of excessing and solution is a clear solution of 850 grains (25 gras.) of canalic sola in about 57 fluid enters (10 cc.) of stabilited water, add distribut water to this solution to make 84 fluid enters (200 cc.)."

These two estimous should be kept in separate bettles for me, if there he made with severary and mixed together in equal propertions, two hundred grains of the mixture will be decelerated by exscription grain of segar, the liquid case that is employed be quartitative as well as qualitative analysis. For ordinary use in qualtative analysis, note as a test tube equal volumes of the two liquids to that the noterons will extend in the takes to the length of about me such, broug to a belong point, and throughd a quantity of unionequal in that of the test, upon belowish and allow in excell. If no tile that and apaque residing a vellowish a precipitate be present, when the true and the urine has become scal, after the second beiling, it is absolutely certain that no engar is present.

In doublette coses it is well to employ a rarriety of mets, and so have the apprison organized a portion of the whole quantity passed during the twenty-four hours. The specific gravity of the terms is not always an influence of the amount of sugar contained, as frequently to have a sign specific gravity with comparatively little regar covering to the earge quantity of area in the water area ing from the great amount of integerpoint boot consumed and the

rapid states of the budy. Again, we may have considerable suggewith a loss specific gravity, and when the communication are simple closs, the more fact that the urine is of low specific gravity about not drive as Investigating for sugar.

It is often very important to know the quantity of sugar possed. This can be easily sentrained by the method referred to when speaking of Pobling's column, or by Robert's method, fully described in his back on minary discusses, or very readily by that of Dahrama, which is specially recommended by Dahrama Reamount and the method of applying it described at length in his recently published work on Clinical Theoryposities.

The prognosis in confirmed diabetes is bad, especially if the case less gone on a considerable time without attention, for I habers that our hopes of an amelioration or cure are in direct proportion. to the early recognition of the discuss and a suitable course institund. Other in its inciponery, upon the autorement of a proper that the symptoms will clear up with a most gratifying rapidity. while, if the trouble has been allowed to obtain a firm frotfold, it will prove much more relictings to the best-directed effects. Ageand temperateent appear to exercise a controlling influence upon the course of the disease. When it occurs in early hits, before, twenty, it is a very serious affair and generally fatal, but when it affects well-nourohed people in middle life the progress is much more favorable, while that form that attacks old, fat, goody people. is selfour attended by much discomfort, if they will be careful in their diet. In middle life the prospect is much better for the slott, fat, easy-going ones, than for the thin and persons.

If the quantity of engar passed is large, and the digretion poor, the designs is much greater than when the system is able to resomlate a large encour of food, and thereform a measure proceed the great ware. The appearance of calaract, cartereds, or gaugeous, is very uninversible; the appearance of allumen in the array should always excite the gravest appearance, as a shows that the kell tays, from the smalls and overwork forced open them, are legitting to break down, and become unable to perform their functions.

PATROLOGY

The pathology of discussion is yet to be urmant; although namesons post-motern apportionates have been offered, and experimental physiology has done much to stacistics how the sugar forming function of the test may be disturbed, or yet we have no distinct known to point to and say there is the cause of dislates. Many new gazons have found morbid processes which for a time they foughly larged would solve the problem, but further research has shown them not to be peculiar to the disease.

Experiments in the production of artificial diabetes render in very probable that the primary better about to Sound in those portions of the across tract in which the ease-motors governing the circulation of the lives have their origin, or those serve marts by which the resolution may be refluidy satisfied, and that the soendary being would be found in those organs that had been overtaned in the abnormal production of the sugar, or in its alimination from the body, or in those that had been so consequently robbed of their normal support.

Now the cames and effects are so atmerous and paried that it is improbable that we should expect to find exactly the same lessons in every case of diabetes, because diabetes may be postured in a variety of ways operating through the nervous system, and is Tyson says, "there is somethy an organ in skew relation with the sympathetic system decargoment of which may not produce it,"

Indeed, is it impertisent to question whether diabetes is really a disease per or, or absolid be regarded as rather an expression of various method processes by which the normal physiological purposes of the hydro-carbons are percented, and instead of supplying their appropriate design in the animal economy are by some strange process unused, and accumulating, are as force agents eliminating from the body, hereby producing double sell, charving where they should nouron, and overworking when they should nouron, and overworking when they should support?

Examinations have often revealed pathological changes in the brain and spiral cord, as inmore entravasations of blood, soften mgs, and degeneration of its enformers and smooth. Again, changes have frequently been bound in the apaquitation services system: Sensite may percenturely in its abduminal parties, and thinks they would be more often discovered if mught for with neteronous aid.

Affections of the burgs are very common—ulceration, philistic, and gargrenc; in this has condition the poculiar gargrenous other in said to be abount. The liver is frequently dismost, most often colleged, although at sixtue it has been found reduced in sixe; by some pathologists the latter condition is supposed to be peculiar to relyanced cases. The hispatic cells are enlarged recorded, indistinct in their scaline, and appear to realized the organ is often hypersenic, and its capillaries distanced and enlarged.

The condition of the passrose has of late attracted in great real of attention from those interested in the study of discusses; this organ which under commany communicates is as rarely found discussed, is in the condition under consideration found affected in about one had of the cases.

It is generally atrophied and degenerated: Senator says that this *entropy by a trave socialestal coincidence, and that Khe's view senses best founded, that the co-existence of challetes and disease of the passerum depends upon lesion of the cortar please." El-ther the disease is primary in the passerum, encroaches on the please, destroying its gauglia, and causing diabetes, or also the cardiac please is first affected, and in consequence disturbances of the circulation arise in the paste supplied by the ordine setery, thus causing disease of the passerum. Which of the views is connect must depend upon future investigations.

The kidneys are usually large and hypersonic, and show the minute changes we might expect to find in an organ so critical and overworked

A great many theories have been offered as to the cause of sizebetos, certainly as many as fifty, but they may all be referred as Dujardin Beaumeta thinks, to three principal ones, from the hepatico-intestinal, or alimentary theory; second, the nervous theory; and their the theory of nutritive contribution. The first theory represent the glyrosuria to be caused by the tro, great amount of mochaniae and starchy food ingested, or from an excessive activity of the algestian farments, or from increased artism of the functions of the love. The account heery had us ongo in the moneyed experiment of Demard, in positioning glycomina by puncturing the bout of the Jourth centricle; in support of the theor) we have the fact, that in a very large number of cases diabetes has been produced by bloom and injuries to the head, by severe and probaged meetal excrement, by intense intellectual labors, by harassing wony and trouble, to gred and disappointment, and by many other reques that produce intense condeal irritation. Agent, in farm of this theory, it one he said that the class of goods whom we would assurable expect to be expected to assessed disturbances.

is the every class in which we find diabetes post frequently, voc,

Benchardst says than "in every twenty men from forty to since years of age, belonging to the class reterred to, you will find one glycourse patient." Now, gentlemen, this fact if it be true, and I believe it to be from what little observation I have had, is of tremendots significance, and it behaves in in give it our most profound attention. The theory that pefers sinhetes to disturbances of nutritive is a very broad one, and his considerable support from physiological deduction, and from clinical experience. It is well established that the giveogenic function is not exclusively confined to the twee, but that other tonors of the body possess this peoperty, pasticularly the nuscles; Boschard, who strongly supports this theory, very forthrately says +that every circumstance which troubles the smost processes of assimilation, and of dissemilation of all the tissues, may be a came of diabetes." I have made no allustin to the parerentic theory became if primary in the panrous a could be referred to the digestive theory, and if primary in the color places to the nervous theory.

TERMINENT.

Although diabetes counts be called a strictly heredistry disease, still probably parents transmit to their children a certain tendency that, upon sufficient provocation, well result in glycosuria; therefore the physician who has to do with the family that has this shelten in its shoot will do well to be particularly careful as to the dist of the growing numbers of the family, and separally to forcid all crowding and provocid of the hour and pervise system.

Clibbran can raffer from warry and norwess exhaustion as well as adults, and as we have seen this to be one of the most frequent catters of the discuss in the latest, we should certainly protest the growing with from these matrices influences; particularly when we terrested in that the discuss is so imaginal in the young; for their diveloping better one if afford to be depreced of one of the principal elements of growth. We have seen that the blood is its normal condition centains a small amount of sugar, that is used for the support of the body, but that when this small amount is exceeded, the common will no longer tolerate it, and that it is passed over into the name and corrected.

New as we have not as yet certainly discovered the causes of diabetes, our principal object will be to reduce this encousive amount of sugar in the blood, and this in our present state of knowledge can only be accomplished by a dist free from sugarand sugar-forming materials.

To procure a ties absolutely free from sugar and sugar making elements, to probably an impossibility, but one can be quite readily Soviced, sufficiently free from the undesignale substances to serve all practical purposes. This dietetic reservers, and introduced by John Rollo in the latter part of the last outliny, and within our memories staterated and perfected by Boselandia and others, must always signife our first attention in the consideration of diabetes and I will here say, that po hard and fast rule can be had down as applicable to the stat of every rictim of this disease, but that each case until be treated upon its own individual characteristics. Some will be erabe a very much more stringest come than others. Our guides should be that the appetite be not destroyed, and the natrition too much interfered with, also, that the amount of sugar in the artso is dismishing, and not increasing; to properly appropriate this, a quantitative examination should be instituted every two or three days.

In forming our dot tables, we may divide the list into two parts, those to be untitly forbidden, and those to be conditionally allowed. Those to be strictly forbidden are care ought, graze rugar, best tugar, starch, and such submission as can be contested into grape rugar in the system. Among those conditionally allowable are remain such across food which seem to be capable of resinting the conversion into sugar, as factors, or super of milk; tunnels, or sugar of makes into sugar, as factors, or super of milk; tunnels, or sugar of makes into a factors, a starctly principle in bedand more, the angar of some fruits income or much rugar; glycerne and tutty raturances. The propriety of gring them constant avanuation of the turne.

Where milk agrees, and the sugar of milk is aminifated, there is probably no diel that will fulfill all the indications for a dislictic as well as a milk dist: the milk may be poplorated, or if may be suited with lime stater in various proportions or if the sugar of wilk acts badly, we may convert the milk into Kampse, which from a from lactime. In 1868, Disckin infroduced the skin milk treatment, and claimed great success for it: a skinn wilk course is

extremely disagreeable, and most patients refuse to continue it. I can see no possible adjustance over the ordinary colle treatment, with the modern modes of its preparation. It is well to commune the dist nather grantially, and to be the pointer's indication and power of digestion regulate the amount. The softe may be taken either warm or cold, as most agreeable; a delicate manach can come take a tumbler of warm male in sips with comfort and beautiful the same if swallowed point in one or two guips would produce much distress and miligration.

The next tables pathinken by various authors sinker am dightly procepting Cantain, to whom I will admin further only they all allow next of all kinds aways trans, tab of all kinds including shall take all coups tooks without starchy attentions or suggestables that are instrumentle; all annual brokes with the same notations positry and game of all sinds; of course all jolies or sances our taking sugar or starchy substances must be omitted; segerables, as callings, candidoter, brussels specials brokests, green simily bears aspurague, sprach dardellone, nontroones telluce, ending cold-slaw, direct exemplers, radiates, young orions, water crosses, mentard and cross, furnity tops, and most any other green suggistables, except peas. The registables to be particularly avoided are, potatres of all kinds rice, body, carriers, turnips, paratips, peas, bears, and all other registables known to contain sarchieline or not become substances in any quantity.

The fruits that can be taken are exalterned plone, elegree. generative, red and white currants, stransferring and non-nightthey must be enter part, or stewed with biourbourse of suda justiced of ough, which will remove the excess of neighty, and rander them. way pulmable, about a resummful to the pound of fruit. Eggs in any quantity, and corless in any fushion except where sugar or march would be used; may of all kinds except absorbance confiments of all kinds prepared with the restriction above noted: adding notes except those unacceptantly bread and cake made of glaten, bran, almost four, or innin. In obsensate cases often all broad will have to be for a true omitted. Bread a the one article which called anot trouble in arranging a studency diet, than perhaps all the rest just together. Almost every one has been normtomas to use board front; at every small from their exclinit youth, and to be suddenly described of this valued article of their is a lawskip to which they are very sontting to selend.

Now, as relinary wheat flour centains a large amount of starring is is absolutely necessary to the successful treatment of dialectes that it be conitted and some of the emissions flours to used; great care should be employed in selecting these, as many of the articles offered are wreiched frauds, containing often over starch than ordinary wheat flour.

For drink, ten coffee, coccasille, with mean ac milk, but no sagar, also milk plain, or prepared as above mentioned; all the mineral waters, particularly the alkaline core, such great benefit; the acid wines and the transcatemed distilled biquors, when they are not otherwise contra-indicated; no also at mait biquors of any sind.

It is well known that the syster is introposed amost enterly of pure glycopen, and that it has been allowed a place in most of the diet tation, has always occurs to me a matake. From the articles above mentioned, a good and ingenium cook can arrange a very securable and appearing full of face and happy the diabetic that has sield a one at his disposal.

Cantant in his becomes says "that disbers is a dissent enable curative, provided the treatment is not composered too lide. He tays down the following dist tables, which can be found at length in Bujardin Beaumour's Thompsotice in to as Jollows: "Broths of all kinds, meat of all kinds earspe from, foot and game, field, frogs and crustassons, sell or cannot meats, and fish, but in moderation. All the above may be extent brother, reasond, builted, or fraud in fact, and subsituo the taste. They may be exactled, but no regar or march meat error into the composition of the consoning ingredients; also no wise, versus, butter, or line juice; often all and animal fats may be ferrely used, and didute scatte scale and may be substituted for vitogar, and eithic scale for lime juice.

You quantity of Sood should be about 690 gens a day, and more
if the patient matriates. In cases where departurities is pronounced,
and in very least patients, from 69 to 240 grams of panersamed facare given daily.

"Brink trater pane, or actional action water, to which from ten to thirty grams daily of recorded spirits may be added, and some amountle trater if doctrot. It after a stouth's trial the regime date not raise the generates to disappear, it will be self to endo the patient fact recently-four hours, taking nothing but water, and more (by beath. Then the above to be recorned, but in half the quantities; little by little it is increased to the former quantity. If the givenum resignar, mether day of fasting, then the built diet again, which is not to be increased unless the patient is looing that. This regime should be rigorously persisted in for two months in light and recent cases, and for three, six, or even time menths in the severar ones. After a patient has passed two months without any engar in the units, a very gradual return may be made to a more liberal diet, but upon the least re-appearance of giveners, the meat regime must be resumed in all its right."

The is a most severe regimen, and if a patient could be induced to adopt, and continue with it, he would most centarially have the right to expect all the boarfit that could be obtained from any agatom of dist. Cantani also recommends metic and to be freely used, both for its the appendic effect and as a present drink. His formula is:

Pure lactic orid, 5 to 20 gramme.
 Peppermint water, 20 to 10 grammes.
 Opting water, 1 litro.

This quantity to be used in divided does shring the twenty-boars boars; we should always be mindful of the danger of indusing rhomatron by the impostion of each large quantities of the axid.

Some patients complain very much of the deprivation of sugarin their ten or coffee. It has been proposed to substitute glyorms, but this is set allowable in all mace, for at times it will came a decided measure of the sugar; the revolutions of the ten-tule near to the guide. When glyonize is inclinicable manufacturary to made

Dr. Austin Plint, Jr., in 1884, published a pumpilet upon the treatment of diabetes in which he arranged the articles permitted in the form of a bill of fare, making a separate one for breakfau, diamer, and supper; it is most valuable and convenient.

In the hygienic treatment, the first thing that the patient should use to retain is pure air both night and day. He should also in a large room properly warmed in the mater unlar by a register, store, or still better, as opin grate, and have a window special if possible as situated that the air cannot him density opin the belif the is not feasible have a window opened in an adjoining room to half and by the date between the two remain open. The opining of a window in the winter does not necessarily imply an agule temperature; warm the room as much as you please, but keep the are pure; it is pure air you want, not cold are. In is magnine what a pressure the average man has to pure sit, particularly at night; in fact I believe that more discates are indirect by breathing injum air lights, than almost all the other cames of neighbor taken together. During the day the race time possed out of doors the ladter.

Next of importance is affection to the skin keep it clean by some kind of both daily, the kind chosen adapted to the enough of the indiredual. It is well to world too rold boths, and operially profotigue coss, the man who takes a dude bath should persy spend over two or three minutes in the tub; of essent through draing and friction of the body should follow. The alkaline bath, made by adding a small handful of wasting soch to the rail of water, is at times most graneful and refeothing. I will incidentally remark that the man who will be ath pure air right and day, and keep his body clean can earlier many sine both of remotor and commiscon with conquentity impunity.

Exercise is a most important factor in the well-being of a diahoties this should be taken systematically and often, but always short of fatigue; as far as possible it should be in the case air, walking riding hunting gardening playing of games, etc.; the more ammerient combined with it the better, but always remem-

ber to avoid exhaustion.

The clothing should be light, but warm; it is well to wear woolens next the skin, for it is a well-known fact that the temperature of the body in diabetes is generally sub-normal.

The digretion should be carefully wanthed and a bealthy action of the liver maintained if possible, and the coordination which is often a trouble-me feature combated by appropriate insusures. The quantity drank must be regulated by the thirst, but an effort should be made to keep it within ressemble limits. Certain meural mineral waters are of great benefit, ospecially these that are slightly alkaline, as the Vichy, Carlstod, Saratoga Vichy, and many others. I have seen the most agreeable effects produced. both in quenching the horrible thirst, and removing the bornest. ing dryness of the mouth and tongue, by the free use of the Bothesia waters: I believe the spring is in Wisconsin. I know of potting that will give a much conduct in the above condition as the drinking of this water.

When we have borned the real pathology of diabetes, we may perhaps, be smalled to cross it scientifically with drugs, until then their employment west be theoretical and empirical. We have, however, the recorded experience of many careful observers of the value of certain remedies that in their hands have preceded benefit in this continion, and without which the most represent submerment of distance and hygienic measures had furfed to produce the danced results.

The alkalies should perimps occupy the first place; to be sure we have no very clear outcoption match; how they produce their benefits has all experience it strongly in our favor. Probably the springs that have attained such great reputations for the successful treatment of maketra, over their value to the alkalimity of the water, has as all counts go to the aprings, the water can be used at home, or in these places alkalies of other former one of the bost is the bi-carbonate of man which may be taken freely, three or four temporalities power or aerated water sitting the course of the day. The fartrate or of rate of some is about the main freely replace the carbonate. Rescribe has in about the main freely supplicate that he advises they be mixed with bread instead of communically.

Opion has enjoyed a great reputation; it is usually well tolerated and droppently in very large does. Dr. Pavoy in 1870 recommended coders, and its me has become very general, many poster ring it to opion, or any of its other salts. When spinm or codes do not many indignation, their use a generally attended with much comfort and tenefit. My beloved promptor and friend, Dr. Fordyce Barber, who has bad most marked encross in the incurrent of diabons, tells use that he considers opions and coders productive of the most valuable results to the treatment of glycomera.

Around has had many adverages, and some of the experiments of Quantitated monthly provided seem to place in use upon a scientific basis. Fowler's adultion is the last form to administer it, and authorities my that large doses are of advantage, provided more of the unpleasant effects of around are observed. Of last a preparation-called assente of beaming or Clemens' solution, a dose of which is from three to five depps three times a day immediately after eating, has come into quite general use, and has found many warm supporters: I have used it a few times apparently with best-

efit. The me of the teemides has been strongly advocated, they were first used by Begins, and very much praised, the pleasant offens observed are probably produced much in the same numer as those effected by codess.

In debilitated and assemic subjects iron is of undoubted service; cold liver oil is a remedy of very great value, and when the patient is debilitated and thin, the happinest results may be expected from its use; it is best given in moderate does about one hear after eating, floated upon the surface of some agreeable vehicle and availowed in one guip. If the hips are suped dry and clean before rissing, and a few particles of salt placed upon the tongue, no disagreeable tasts will be experienced. Hundreds of other drugs have been reconstructed, only after a short time to pass to oblicion.

It is a well merginized fact that glycosuries form had subjects for surgical operations, and only in extreme necessity should they be performed; even the prick of the hypothermic syringe has been productive of evel.

The complications that may occur require treatment atmosphat modified, from the fact that the patients are glycosuries. The affections of the mouth and casies of the next can in a measure be prevented and combated by the use of alkaline mouth washes. Strychnia frequently families valuable associates in cases of feetle digestion. Catamen which is quite countries, should be operated on early. The neuralgias can be relieved by large doses of codesn combined with quinnes. Both and carbinches are probably best treated by small does of sulphide of calcium, often repeated, say one turns grain every hear for a few days, and topically by sight invation, and the application of pure sarbolic acid by means of a small carrol's hair percit. In inflammation of any internal ergon, stimulants should be freely administered.

If accommon threatens, every effect must be made to check the fermentative processes to which it some its development. The element and intentions should be empted of their contexts as quickly as possible, and some of the medicines that are supposed to have an anti-fermentative action administered, nutside neal, subjectic acid, the mode and that class of remotion have been proposed, but in my judgment the alkaline in sulphittes would faitful the indirections much more effectively. I would employ about two grams of the bisulphite of softs in some aromatic water, every hour to even every half bour if necessary. If the tasks of the in-sulphite is objectionable, the sulphorarbolate of softs might replace it, used is the many way and down. A long one of these remains has convinced my of their mustimable value in the treatment of all symmetr diseases.

It has been proposed to inject alkaling solutions into the veins, and thus endeavor to prove the acid fermentation in the blood.

Gentleme :— In presenting this absolue review of diabetes I have not had the arrogative to appear in the role of an instructor nor the varity to suppose I have said anything nafamiliar. My object has been freeinly to bring to your attention a distance I believe to be in the increase, that increase selecting the most value has portions of the community, particularly affecting our same profession. These considerations must be my apology for having complete so much valuable time this morning.

DISSERTATION.

ON THE TREATMENT OF LACERATION OF THE CER-VIX UTERL WITH HISTORIES OF TWENTY-SIX ORIGINAL CASES.

By P. E. BEGUWERS, M.D., NEW HAVEN.

Course Problems of Gymeology is the Medical Projection of Van Copys, Gymeolog, girl to See Beron Bospild; Fellow of the New York Academy of Medicine.

The curvix uteri is unprest during particities in about sixty percent, of cases, or in about the same ratio as the pertuents, so that the statement that the multiparous cerrix is always solutar or fastred, which has been faithfully sepond from our obstetue textbook into another, should be somewhat modified.

I have taken notes of recent careful examinations of nineteen raultipare in which no injury has been custained by the cervix during participant:

Cast L	Age, 46,	No. children, 2.	Certix normal
100	0 397	7.	0
A. 11%	11 23,	9 1,	b
- 127	· 30,	- Ji	8
- V.	0.32	W 42	- 0.
- VI,	0.35	H 12	.0
e VII,	9 31,	. 2	-61
w viii,	* 28,	- 2	-0
" IX,	0.35,	* h	4
. X,	0 19,	= li	-0-
· · · X1,	0 57	0 30	-0.
· XII.	11 45,	- 2,	14
" XIII	- 29	0 1,	- 4
- XIV,	4 85	0 Tr	-10
- XV.	4 33,	o 1	146
< XVI,	~ 25,	+ 2	41
" XVII.	- , 63,	+ 100	*
"XVIII,	+ 33	* 1,	
" XIX,	01-31	2,	

The time to accertain whether the certix has been becauted or not is at the end of six weeks or two mentls after parturities, and it is a duty we awe our patients to make such examination at this time if symptoms of a poor gotting up, otherwise inexplicable, are present.

"Until recently the condition of interaction was universally metaken for discretion, and constitues for the early stages of epithelions, and for correling tikes of the interns. To lead this obsertion would long taffer every mosts of freatment, or, if any improvement book piece in the patient's condition after a protracted test in the recemberal position, a relapse would believe again soil again with every allempt at exercise. Such a case passed from one physician to another until eventually the bescorrious count, and the profuse mentionalization of minimists as the carriery, became ricarricial in character.

Orrentheless a remain in this condition gradually became a confirmed invalid, while the hypertrophy of the uterus remained, and from impairment of her general health, the nervous element became most prominent."— Emmil's Principles and Practice of Gyramology, p. 456.

We may instrumisely divide hornstire of the curvia ateri into three classes

- Those in which the laceration is complicated with eversion and granular remion with attendars becomes and congestive hyperarophy, with or without nervous pressuration and spinal irritation. Folloular degeneration is frequently present, also secondary retroversion or prolapses. In this class our laceration is other lateral or bilateral.
- II. Those is which there is no decided evenuous and greater but nervous exhaustion and spiral irritation, with anxials, loss of general health, and sterility.

In this class the acception is usually more imperficial, frequestly station, with immidistable contrictal material, or infrequently lateral or historial.

III. There is which not only are exercise and erason absent, test also set symptoms whatever, unless it be esculity, for which the pattent socks raisef.

In this class the invention is quite experietal and stellate, or unterior or posterior when it may be of considerable depth, "It is very care for any bad effects to remain after inceration, either back word or forward."— Emmit.

In the prof class two methods of treatment are available, w. Medical consisting in the use of astringents, rest, raginal decides, and repeated purchase of degenerated and occluded amount foliates.

 Surgical, by trackelorrhaphy, following efficient preparatory insutment.

It is indeed stronge, as Emmest contributions that Beauest, who assumed a flowerhood this lesson, and appreciated its importance. Indeed to discover that operation.

While profapers and retroversion are always benefited by syselselorimphy, they are not thereby cured, but require subsequent treatment by appropriate possesses.

When petroversion has attacted, and a pessary has been smill in best, as a rule, to remove the instrument at the time of operation, and to replace it only when the patient begins to stand upon her feel."— Ensure.

"The use of a pessary to studen the heavy oterus is after adsmalle for two or three months after recovery." — Thomas "This oter of Women"

In the second class, trachelocrhapty is practiced by Emmett and basis of followers, with alleged entire relief of the accompanying nervous and general symptoms, said to depend entirely upon ciratrical tissue in and around the angle of the largestion.

Notwitherarding, I have experienced disappointment in not gaining, in a constant of cases, all that I had expected I have in terms instances obtained under remarkable results that I have been more natisfied with my practice in this line than under other ciremustances where cause and offers second more closely related.

- We cannot ignore the clinical fast, which has been observed by many, that after nature has required the injury by partially or completely illing the gap between the lings by elemerical themse formed in the process of healing by granulation, marked reflexdistinguages will accretimes be established. Moreover, it has been frequently noticed that a persistent animia co-exists with this anidition which gradually disappears after this trease has been removed.

"After having accomplished, by local treatment, all that can be gained in bealing the largested surfaces, and is the removal of the reliable, the question presents their as to the proper class of cases for the permanent cure of which the operation should be received to. I should come, in a general way, that when reduce symptoms exist, with enlargement of the uterar, after the cellulais has been fairly removed, and when the woman suffers from neutragia or personnel assertion as operation is necessary, acceptationally the parts may have boated completely, and the thorough removal of the cleanized tissue from the angles is absolutely necessary for success."— Energy

I do not operate in this class of cases, having formal the results invariate to operate out permanent, but prefer rather to follow the methods employed by Weir Mitriell, for accross atthaustion and spiral irritation composed with appropriate modical treatment of any slight crosson which rarely may council. The presence of much council these arrived a laxeration, and the presence of nervous irrigs therein, has not us yet been microscopically demonstrated. I will prese again to quote from Goodell:

off the leasteral results of the operation of track-terriaphy I must cannot by almost that I am not now so sanguins as at first Cases here disappointed use, but they, on the other hand, I have and outside operated on some cases unnecessarily. The least rate may be laid down that when marked ecorogies sents, associated with coloring a Nabathlan glands with lower-more and money single, the some of the operation will be a bupy one. In each case I have had appear smaller. When, however, I have operated on a test without extropole, or involvy on account of exertimal these a test without extropole, or involvy on account of exertimal these a test without extropole, or involvy on account of exertimal these a test without extropole, or involvy on account of exertimal these a test without place of the first I have become first when to upwate; and the fact I have become, that anytous exhaustion and spinal irritation will origin certical turn, but which are in no wise dependent in those landous.

In the Wed class, it is unnecessary to call the attention of the patient to the bolon, and movine to record to trachelorshaphy, inless storilly, otherwise traceplicable, be a more of antapplices, when the operation becomes justifiable, although little hope of so coming the sterilly can be hald and

"If 0 became the interof practice that at convical laterations then to a based without reference to their pathological influence, many woman will be expected to operation without came, and without composation," — Phonon

"The simple existence of a distinct in the corvix does not justify an operation for its electron nor should the operation over be retorted to carept for the relief of symptoms which have remained after the accepted treatment has been complayed without apparent breakt."— Kinnett

It is annecessary for me to speak of the operation uself, or its preparatory treatment, since their description given by Knimett in his masteric article upon laboration of the curvex aton, is complete.

When one is secriful by failures or in doubt in a peculiar may, this article will always afford consulation and profit.

Pollowing Dr. James B. Humber of New York who initiated, and has accompletly practiced trackelorrhaphy and perioderhaphy at our sixing. I now do his double operation.

In such cases the period enteres should be taken our uses the eighth day, and the curvinal surness upon the fitteenth day, where the new periodous will safely bear retraction by Sins' speculous.

By this practice is parious is mured the fattern and expense of a mound operation.

The practice has against it the weight of Remote a suburity, who mays "These operations about the form absenceds, for it is not good practice to attempt to operate on the largested correct, and at the name ording these the presents — p. c40.

I will now relate brief insterior of twenty as comin of increases of the cervin nous from my nervice in the New Bayes Bragital treated in a general word, with unforcepable logicale committees always present, effect sensor which is the constant presence of chronically supporting wombs.

How Y

F. R., april 151, mother of three children—grangest six years old; delivaries natural; measuration negatio and scarcy, blood singed aucous beacombus for over a poor; severa leader-pain; is severale, and personal health is poor; haverfired with inflammation and electrism of womb for these years, during all of which time she has been resided by another physician with local applications and general basics without marked improvement. I treated this case two healths with slight improvement, and then wur her into the hospital for operation. Here an areals, unrested three and one-fourth industria and crosses; no polyte callettie as perfected three and ene-fourth industria and crosses; no polyte callettie as perfected; trackelessishaply performed four arrange; removed slights day; union perfect; m. ex. of natural size) slight certical endometritie remains; position and symmion cured.

Case II.

M. aged 27; mother of four children; then abortion; three instrumental deliasmes; children weighing perpectively twoler, fourteen, and sisteen pounds; menormation normal; leacordina muos-purdent; anterior vaginal wall prolapsed outside valva, looking like aking fitterior morable, two and three-fourths lackes long; axis normal; prolupus third degree; Mintend Inscrition of cervix to regizal jurction on each side; no pelvis peritoritis or cellulitis; a fibroid polypta hange from on, ex., ten and cess half incluse, it is there feelers long, attached to posterior wall of trierra; anterior vaginal wall and corrix have been said side value for eightern months; complains of nathing except disconfeet. and bearing down from the prolopous; general health is good. I removed the filtered with sensors, and ten days him did double tracketsenlapler (after one work's preparators treatment), four stitches upon such side; musored stitches upon eighth they, both lawrations completely arised; cervit and in ev. of normal tric. Twenty-four days after operation, titled prelapers passary, and discharged patient count; except of prelogons. Before the operation, pessary sected in the figure, and mased intolerates unitation.

Chick rem

C. B., aped 12; mather of one child, now six months old; instruneutal delivery; no abortion this aerocritegia and constant backeries; profess common superproducts becoming; attenue morable, two and three fearths better long; axis normal; analizament of everslemaning rather crosion; inceration of certix on right sole to vaginal junction; no police cellulate or postonicle. Since their of her child mensurus has been profise to three days, followed by slight owing of blood until succeeding period. Leaverthout and backards have accurate an absent during this period. A mostale to carnet produced dight improvement only. Tracketorinaphy performed agreements of restricts for their weeks, four satures; removed upon seconth day; union perfect; certit and on an accuracy dischanged cared.

Case in .- Sure or Da. M. C. WHITE OF NEW BANKS

8. C., appl 28; mother of three children — pumpet absertes mornies oil; defireries minust; no absertions; suffers from mescerbagia; leacerstons scarry, natures, and bloody; severe bending semantin in hypogenization and groins, which is increased by prolonged sitting; sterm neverble, less and three-founds larker long; position and and accounty laceration of carrie, left side; evolval, exerted, and blooding from gentle touch; are size hyporplasis of carrie; no private calladitie or peritouitie; general health possi. During tast five manufacture has suffered from necessivality, and also constant coving of small amount of blood, attended by leaving private pair. Last tubor manufacture, and she is possible touched by leaving private pair.

the that for physicism inserted his hand into the cervix and attent, to haven dilutation. Proporatory tentament for these works; trachelerrhaple, for emprey removed upon the eighth day; union has taken place in a band only one-fronth of an inch wide. Patient suffered from resical infinition, and urained severely in passing hardened frees. Operation is a failure, and uses he repeated.

Case v. -- Sept by Dr. Baldwey or Received and

B. S. aged 40; mother of five children—promped five years old; we absence; delirentes normal; suffice from metoerringia with excessive law of blood; countest, very profess uses quartest becoming; severe burning servation and bearing-down pain in pelvis, and burden sche; nevers burning servation and bearing-down pain in pelvis, and burden sche; nevers targe, have not blibes and one-nightly institute, with both tips averted and competitive croised and covered with mesos-pear and books like a large attentiony; no pelvic callabile of pertonnile; general braich very poor, extremely recross and breimble; and much associated. Her suffering dates from brish of this child instituted can half years ago. She has purple pain, backache, severe bendacine, nationalising two on three boars. Preparabley frustrates for free weeks; destrict tracketershapity tour sename on eight side, three upon the left; nations removed upon climatic day; union complete; case wared.

Case via -- Susy or Du. N. P. Trees as New Haven.

H. W. aged 25; matter of one child non-two years oil, defreey normal; one abortion, stath mouth; corry other period is excessive; trace-parametrismic is constant; attitus pain in back and right ingular region; stepasacorable, two and fine-clathe being to second degree of retroversion and protopora; stellate becaution with four points present, both lops of cervix in state of granular constant; no certains; no polyle collabilitie or periteritie, comes on account of constant pain and lencordora. I terrated this case with applications and interception possessy for three months, accounting in building about two-thirds of the sucked them, and in relaying the networks, but I could get no farther formeds a curr. therefore stapped treatment, but I could get no farther formeds a curr. therefore stapped treatment, and artified inclusion-plorategyly if case become worse; did not report again,

Case vit. -- Sept in Dr. Weight of Assorts.

M. D., aged 93; mether of one child now these years of age; nor abortions; powerless labor; forceps delivery; suffers from mercerbagia and constant macous less invades, source coorggonistic; interestwo and one-half inclusions, morable; axis normal; about corried entimitatile is possent; no extensor; no eresion; no displacement; double becaution to region! [nortices, port lip society than interior; since delivery has effered constantly from inscention, and dell price pain, increased by work and gaing upstairs; no policie cellulate or peritorities no preparatory treatment; trackelenthapity floatio, there interes upon each side; enteres removed upon the sinth day; both lareautions finally united whole length; good neatt; discharged curel.

Case VIII.

In B., agod 55; mother of five children — reangest over mentin old; deliveries normal and may; one abortion at sixth month; mensuration regular and seasity; elight macross leacenform; morns to make the closely, astemornal, two and three leapths inches long; chimais corrical andometrics; incommon on left side of correct one-half such tage; both tigs is state of grantiar emains, bleeding when tenched; no eversion; no privic cellulities or peritonitie; general health poor, is amounte. Pourseen days after her miscarriage resound for homework while losing blood from the uterns, and there has been an almost constant line of blood in small quantity ever since, for the rolled of which she entered the hospital. Was treated for one small and their discharged, with eroston nearly healed, and without any bloody discharge. Lips are easily everted, and probably emaion will noture. Improvement will not be personnel.

CASE IL. SENS OF DR. RUSSEL, WALLSCOOK,

S. W., aged 10; mother of one child, lifteen months sid; delivery normal; one abortion or fourth month, there weeks age; measurmation regular and normal; considerable micro-purelist becomes; moderate pain in policie and sacral region; interm monable, prolapsed, and retro-tested to first degree, two and description in what of granular emains; three eighths inch deep; posterior lip in state of granular emains; three in the endometritle; no pelpic cultains or peritorists; for four marchs has surfered from burkachs, much debility, and becomes, and moves to brapital on amount of these symptoms and a bearing drawn feeling in the polyie. Preparatory treatment for three words. Tracks luminaphy, three surfaces; removed upon severiti day; laseration united; mechanged attention, and not strong, with emaion count, and without polyie pain or bechardes. Fitted pessary for retrorousies, which caused pain. Its no much be postpound for two nearths.

Cash &

If C, and 21; mother of our skild, eight mouths old; delivery sernal; believe labor; child neighed ten pounds; menetrantica narmal; profuse urseo-parationi loncombon since texts of her skild; dall, whings sound pain; aterus associate, now and three-forethe inches long, nateverted to first degree; cervix, inconstion upon left side, and two superficial frames to right; stallate laceration; as eversion; small-erosion on anterior lip; cervical endouctrifis; no polvic cellulitis or perinalitis; perharum presents laceration one inch long; ragina enhinvoluted; some prolapes of anterior wall; general condition good; sessewhat ansenic; has felt since birth of her child "as if her polvic organs were simpping out," and has worsted about loss of strength and constant bracerbors; no peivic pertonitis or cellulitis; track-lormaphy and perincortagity indicated, and does at our sitting; principal finance on left side was cut to raginal junction, and closed with three enteres; four enteres in perincan; perincal enteres removed upon the tenth day; nation firm and complete; cervical natures removed upon the tenth day; haveration firmly united; cervix small; granular crosses cored.

Com an .- Sept on Dr. Southers or Suppress.

M. B., agod 58; mother of three-children - youngest fire years of age; the laboratellines, others normal; one absence; monstruction regular and normal, alight account leacourters, posterum one-half tach long; posterior, ragina wall slightly prelapsed; vagues salarestrud; anous movable, retroperted to second degree, three inches long; cervin licerated types helt to cardinal junction; tips exerted, but not creded; no privincellatitis or acriteritis; male and tendermes along the spine, and nervous exhamstien. General condition poor, from long confinement to best; whele remounts system much attrophied. Pollowing the bittle of her children, which occurred at short intervals, came prostration, and an attack of sparope, after which she could not stand or walk, from his of power in her back. The two following years the spent in bed, constantly suffering from pain and renderson along the spine, and tenderson over the cervix. No preparatory treatment, track-turk-phy tyon left side; three satures. Perincorrhaphy at some sitting, four natures; perinced seiters removed upon eighth day. Union from and complete. Cervical satisfies removed upon the Learnegath day; baccration united; ogrets and as, ox normal; no tuckness. Discharged in second condition, for which continuous of manage is indicated, and charge of air to sensitle. The epizal irritative will pertainly return, twices the strends in cared. I strike its dependency upon the insemplane.

CAME ARE. -- SENT BY DR. PLAYS OF THRESOPEN.

M. E. aged 26; mother of two children—younger two years of age; deliveries normal; an aboution; montreation regular and normal; constant syrous Secondary; periodes apophied, account on held inchines a cashe; axis normal, two and three foorths inches long; becaution of cervis upon right into one half inch steep; no syrolon; stight system around incention; so polyis selection as periodes. General condition good; has enforced from pelvic presents and constant less contion. Preparatory treatment for one month, carried on by 10.

Plat. Trackelambaphy two unities: perimorrhaphy, three settines, at time sitting. Pyrimal entities removed upon screenth day; sulon from and complete. Cervical actions removed upon the thirteenth day, buseration is traded completely. Discharged cored.

Case titl - Sant by Dr. Lemmyon on New Hautes.

M. L. aged 21; mether of one child, now ten morths of age; instrumental delivery no adjustion i mulistruction regular and normal; constant becoming, analy morous, mustimes blood tinged; constant dall privicipalne ragina large, substratisted; preserves incrested, use-half inch, giobe firm; attent morable; axis normal, two and three-learths bedse foog; bilateral borration of service half way to raginal justfrom upon right, to vagenal junction upon left; lips exerted and exedod, blooding when touched; no privic cellulate or peritousis. General condition good; some anomia. Same delivery has had commant ioncorriers, sometimes bloody, quite profuse, and has suffered pain during and after colties. Walking causes unsation of fullness and pressure laprivate. Preparatory irentment for our week. Butble irachdorfughy, four surares upon left side of veryly, and two upon the right. Satures reserved upon moth day; largeration on left side mostic healed—on right side, not at all; considerable eversion and erosion remain; result is a failure, almost complete. Should have insened upon preparatory toutment for six weeks or two mostles although patient sould ill afford the exhaus. Bincharged, with note taking the physician to treat by astringents, and, if core follow, to send her back for another operation,

CASE STY. -- SENT BY DR. LOOMS OF BURNISHESS.

E. L., aged 33; mother of four children - youngest two and one-half years of age; so souttons; deliseries normal except second, which presented by a shoulder, and was delirered by version. Metroerlagia, considerable blood lost every two weeks; moderate macons lictoorrhous; perinersu can-half inch long, and first; uterus neverble; agreemed to first degree, and anteferred two and three-frontly inclusions; cervin largested to vaginal junction upon right side; enumion and granular erroles of both tips, which are thickened by hyperplasia; chronic rersinal enforantitità; no patric cellulità un peritoritàs. General enedition fair; has suffered frees malaria, and is annuale; suffers from policie discended and bearing down, which are increased he walking, eiding in care of a carriage, and by work , constant buckwise. Has been treatof unacconfulty. Parameter treatment for one work. Perincernaply thought to be ensecoury; trackslombophy upon right side, feer surene; supposed upon testle day; increation perfectly heated. Cervix and us, ex, are normal. Discharged, feeling quitt well,

Case NV .- Been By Die Looms of Binancoman.

M. B. aged 54: mather of three children — youngest two years of age; no abortion; mathermation sure in six weeks; resultant macons lenter-them; field pain is businessed in left inguinal regions; performs account; attent movalate, anterland a little, position normal, three incises long; cervix instanted to raginal junction on left dde, and slightly upon right side; lips everted as it is state of granular crosses, the granulations gale and fabby; no petric cellulitie or peritonitie; is very nervous, has been miserable since birth of fact shift, with backache, petric gain, and considerable countant fencesthess. Treatment has been mineralling, and comes for operation. Perparatory treatment thirteen days; trachetoritophy, four source upon left dde, one upon right; actume removed upon eighth day; incention perfectly healed; cervix and on ex, normal, with a little sing of crosses around the lates.

Care Sys.

M. H. aged 31, mather of five children—yeargest five years old; in trurbs normal; no abortime; mentionalism normal; comiderable constant nursus faccordens; aterus movatele, and nermal, three incise larg; laceration upon left side to vaginal junction, granular evolumed both fips; no privic cellulities or peritonitie; general condition good, although somewhat anomic. Has suffered since with at last child from lackache, harrentous, and seariness, which have increased during last year, and also from bulging of posterior vagonal wall during deteration, feeling as if old time support of this times had disappeared. No preparatory treatment. Tracksforthophy upon left side, four success; perincoertophy at some sitting, four sutures, perincoertophy at some sitting, four sutures, perincoertophy at some sitting competely bested; perfect union; extinct summs removed upon trackin stry; becaution healed; union firm and sound; cervix and on an account, disentanged cound.

CAME SVII. - SENT BY DR. CONTERN OF ASSESSED

W. J. aged II | mother of five-children—prospect seventers months old; ber deliveres somest; last one instrumental; to abortions; us successful regular; constant profess various lescouters; such pairs in pairie and over accrum; polyic pair and present aggravated by walking; vagina large and subtraviorated; perinsum one-half inch long; atterns variable, whis normal, two and three location inshructure; prolapsed to first diagree; cervin becauted spen right size to vaginal junction, lips mash enotion, which received, and in suce of granular arosion, bleeding when touried no patric prefitable or certaintie; heart weak and arotable, soft milest, regargitant minuter; to anomaly since binds of last while has constantly suffered, and begin unable to do ber homework without great fatigue. He were a pecuary

for the prolapsus without swiigh. Preparatory treatment for free works; cereis will large with everted lips. Uswilling to wait for further medical preparatore treatment. Tracted or happy upon right side, three satures ino assertictic used on account of condition of hearts; sultres removed upon sigils day; slight union at angle of lawration, considerable crosaire and croates remain. Canadered the operation a failure, and remaind preparatory treatment for one month. Inserted one vature through the lips deeply and twisted it boundy, learning it in place time works, in portially averages the evention. Truckelonfurphy upon right ode, four autures (no assorbatic); removed upon the restle day; becention lossed, bet unless is too superficial in he satisfactory. A poor result, although not a failure | work improvement, which can be confinued by local mustment. Fire weeks from them of meaned machelomlophy, during which time local treatment was carried on, persecond-play was performed (no anisothetic. Consine tried, but sind not produce local annestrance; all unares; removed upon the earth day; unless is then and complete; cersiv now smaller, with a little evention present, general condition much improved.

CASE STUE

C. H., aged 25; mother of one child, now eight years of age. delitery instrumental; florus weighed cloves posteds; nanotrumies seasty and regular; constant mucous lencombru for six years, at times timped with Mood; shall sake in priving and husbar region; perineum three and threefourths inches large, vagina large, chronically congested; atterns monthle, interested to second degree, and somewhat interfected, two and threefourths inclus long; cervix large, licerated on right side; lips everted, and in state of granular ecosion, blooding when touched; chronic correctly codonatritis; no pelvir cellulitis et personitis; peneral condition good. She was treated off and on for four years for "plocation of the worst," improving elightly in myard to the honombres. During the last two your she for not been limbed, being quite discorraged. She still suffers from backache, Issoordiess, at tisses bloody, petric weight, frontal bradiche, and "corcuso in the worth" after defocation. No proparatery treatment. Trackelenthophy on right side, three sources; removed on the mentleday; lateration localed completely; that of muon not thick mengh; no rectsion or erosion.

Case six - Serv in Da. Lorons or Braginsonia,

M. P., appl 29: mother of three children—yrangest three years offic delicates around, no aleminar, manufaction for stree years; some rescond recording; doll backache in social region; perineum compet out, appearing normal, but in reality thin and weak; stress marghetenoretical to around degree, two and three fourths inches long; continbearated to vegical invertion upon the right: we even in: perceion to in side of granular erosion; we positive elithin or peritheitia, general health good. Since tight of fact cloud has suffered from monorrhagin, backarin, and becomisms. Patient referred to manife the works for the perpendicty treatment throught in the recessary in the case, and organization. Tracket cortainly was providingly performed, and only upon provide that the month time it represents if recovery, from nature, a moved upon the rightly day; upper three-barths of faccration emissis, with small opening at size of uppermost after; mail spot of granular sensite sensite. Operation a failure. Patient was unlikely, and refused to have a second operation.

Case an .- Sure or Do. Day or Wantedna.

L. C., aged his mother of three children—youngest three years old, delitaries natural; no electrices; menstruction normal; comman slight transmis fearerfens; "emention of dragging" in each ingulard region near Poupurs ligarants vagina large and relaxed, portions three-fearth inch long; uterm morable, prolapsed to that degree, retrovered to third degree, two and three-fearth inches long; bitaleral increasion, quite shallow; on excentrated by a ring of granular ension; chronic nervical enfoactricie, no police peritorinis or cellulitie. Tracheboratephy net accessing, for white on, as, is three-fearths such wide, there is no evendors and elight erosion; alterative metringents will care. Treated patient foarteen days, Sitting a retroversion presary, and must ber home to Shoron, to be there irealed by Dr. Shears

CLASS NAT.

A. U. aged 38; neither of three children - youngest Southern years. this deliveries around; so abortions; measurance wanty, impulse, and paintid; evenidenable must purchent limmerines for last thirteen years; contact dell petric pain; ragina emetter and chemically congested. perincum-one hadr long; mirror morable axis around, three inches long; servit bearing bilderally to reginal junction on such side, divided sale has libes in state of arcolar hyperplasia; unterior lip twice the size of possession; second-rable fellicular depoteration, with co-tu-felepris, beling like shot make the macous meribring, no possic columns or peritonicis suffers from nervous posstration, with attache of hystoriased imprehenden, much were during lot year; constines has amplitus extras; aponda half the stay in ted, has been teld that course would result. Preparatory to atment the one week. Tenchelography, shadde; from unious on date side, three on left; removed on sixththe pariso firm and complete on both sides; both laverations cared; cervis of good shape. Nords new prolonged treatment by not, torics. and change of climate.

Case, unn .- Sept at Da. Surpres of Services,

W. L., aged 25; mother of these children - youngest three years ald; deliveries normal; two alternous; second one your ago; mendicantless iercentar since second abortion, and with dragging petric pair; constant purposes becombine during part year; countain polyie pain, much increased by defection; ragins large and orbitralisted; antenier wall prolapses a little; periodum lacerated to ephinchier mi; userus morable, retornested to wound degree, with slight arouslary mindexion, prolapsed to fint degree, two and fre-eightlainches long; arectar hyperplasia of servic, loceration on right side, since to vaginal inaction; dight eventor, grander mosion of posterior lip; ne pulvis critalità ar pertonitis; pervat bealth poe; is around; suffered from septionals in both abortions; last one left her much prostrated and nervous, and since then, burnardow has been very troublesome. His hern carefully treated without success. Preparatory treatment for one week. Tracledorrhaphy right side; two salures: perincoming by at some sitting, four entures; perincal entures removed. on testh sky, petitesia completely united; cervical satters repostel in twelffly day; herestion herfell well, but everyly is swoller, and there. is sense granular erosion remaining; brack-formaphy not satisfactory; would like to repeat. Commund thutment there weeks, and discharged patient acrel largroved.

Case MIII, - SENT BY DR. W. C. WEIGH OF AMOSEA.

L. E., aged 94; nother of one child, now our year old; delivery nonmal; abortion five works upo; menetruation regular, and normal in emount; profess mano parabest lessenthers for ten months; perisonal three-Souths of on look long; stems morable, retrovered to second degree, two mai there-quarters inches long; cervix large and congrated; hilaberal favoration, to tagitud junction on left side, abases as enginal inumon on right; complete eversion of lips, and granular croalen; poscerior hip smaller than anterior; no points collectin or peritoritis. General condition good. Has reffered only from profine becomings and the abortion, which Dr. Welch thought due to the laveration, and therefoor next for operation. No preparatory treatment. Tracksformaphy upon right olds only, four enteres. From imagularity of lawration and smaller size of posterior lip. I operated only on right side, thinking exact posterior fap would not bear tension of sutures if operation was dise at once spen limb sides, there being complete executes. Sample removed on both day. Laboration has not united, except in a narrow hand, operation is a failure; must repeat, reserving more those from asterior lip. Trestment reserted to for two weeks. Trachelorshipley on both sedes, there entered on right side; four on left; finnes soft and fruitle; sutures removed on thirteenth day. Laporation completely benied on right side, only half leaded on left side; sught to operate again on left side. There may be made enough to prevent eversion, but operation is a partial failure. Economic econd. Patient discharged.

CARD WRIV.

L.M., aged 33 meeter of our shift, now seven years of age; delivery normal) to abortion; inclimitagis for but two years, scarry three, pulsful; constant price paretent intecerbon for two years, profine for last six mentle; sharp parexyunal pale on left side of points, wome at night; Vagina tage, with small prolapses of enterior wall; perhaum normal; unsua anyalife; axis and position normal, two and seven-eighthe inches long, cervia laneared on right side to exginal junction, avoides and tender approveded and in state of grander erosion, bleeding when teached; change content endometritis; no pairie colluitio or perionitis; suffers from pulpitation of heart; general health poor; essaviated and accomic, Two pairs ago she strained benefit in lifting a tab, earning polyic pain and oterino henorelinge for those modes; has since fost strongth steadily. thinks six aborted at that time at the arouth week of programmy, blood floring from the aterns on the day following the strain. Preparatory. treatment for one week only. Conset remain long in hospital. Tracheterrhaphy on right side, five entures; intercurrent attack of sours congention of Ridney, either raused or inconsed by the ether; ben per cent. of albanes in urise. Sames reserved as lifecenth day; licerative completely healed; cervix larger than recent; so, ex. of mound due. Unior now contains five per cent, alliennes; one week later, one per cent. allocates. At each of two weeks ofter works after operation; afternor disappeared. The congestion of the history was appropriately treated. Patient therbarged-cured.

CASE ENV. -- SENT BY DIL RELOWES OF BURESHIPS.

C. S., appl 16; mather of four children—youngles Sur your old; delivates narral; no abortions; menotrantes irregular, quantity are tail; contiderable macion beacerbers for low years; "dail, sching pair in would and bladder"; vagins large and chronically computed; perimens one-half tach long, and quite firm; atoms are able, extroverted to scened degree, bold in normal position by retroversion persons; fitted by Dr. B.; two and one half inches long; cervix incombed on right, nearly to regizal justice, first hips in stars of granular enoises, choose regizal endonctrium. Sent to tempital by Dr. B., with the opinion that the croster, which he had failed to benefit much, could not be except except by machelorizesphy. Thinking I might can the enoises sitious reportion, I treated or first weeks, but with no better success than Dr. B. Trachelorizesphy on right side (so meralbetic), three surrows; removed upon the elements day; lacenation completely healed. Some

senden percary gut back eighteen days after operation; no emalon.

CAR XIVE

I. B., aged 33; mother of one child, non-there years of age; delivery normal; one absention; membrations irregular, with stressive flow, and tenomers; countain interest incomes, clayed at times with blood; vegins here and congented; old homorrhoods; more amountle; and normal, then inclusiven; choosis contrast endomentally; alight titles and homorrhood great. Busing past there years has inferred from attacks of basterical spaces, occurring at first at long intervals, but is last six meeths they have come on every week; an attack lasts from one to there heavy, and is typical of hysteria. She has injured her necessary spring by efforts to prevent consequent. The homorrhood provest is not slight to require trachelouringly. The constant care be comed by finalment. Treatment of an danger of her fermer practices to prevent consequing. Treatment of automatical standard creates to be continued at home.

In every case a careful examination of all the organs and tantions was made, and emission to mention the results in these condensed between may be considered to hughy a so-mad condition.

Of the twesty-six rases, twenty-two non-treated by tracketer rhaphy, and four by medical means only, it forting been decided that operation was not necessary.

I should have added two more cases each a double inventors, recently operated on successfully, making twenty-night; but I have tailed to find their misplaced bistories.

(if the twenty-two operations serventeen were approximated, and from were failures. Three-ways stantis tracticiorritapities, of which two opposition, and one partially tailed, in that only one of the two largest time bodied, and this case is caused as a failure.

Frances were emple trachelorrhapties, of which rieven were streamed and three failures. Five were come of trachelorrhaptly and periocerchapter, performed at our entiring of which four succooled and our permuty halled, a so, the correct incomation was not national performance of an analysis.

The causes of the tree follows were: Earnesses straining distring descention, term such of preparatory treatment, two: lack of preparatory treatment, two: lack of preparatory (featment and small are of professor corresponding from a regularity or the true in a double becoming one; tark of pre-

paratory treatment, animum condition and hyperplants of corrections. Lack of aparatres shill may another had its influence.

The percentage of failures in 29.4, which is large, even in hosjobs practice. Dr. B. Haghes Wellin* in a resume of promises only wheeled cases, found the percentage of failures to be about eight. He wellow, "mon-union occurs in about eight per cont, of all operations, the percentage of failure being larger in hospital than in privace practice," It is possible in each a collection of cases that more failures were not recorded, or that none partial failures were about in accounts.

From a semideration of these twenty six cases, the following conclusion may be drawn:

- The cure of laceration of the curvix users by the use of all or the medical means at our command a slaw, somewhat congerers, uncertain, and usually not permanent.
- II. The cure by tracketorrhaphy, skillfully performed is more rapid, safe, nemally certain, and permanent. The time accupied in cure by this mount may be expressed in weeks, while by the former it must be expressed in months, and constitues in years.
- III Failure occurs in twenty-nine per cent of hospital cases naises preparatory treatment be thoroughly carried out.
- IV. Preparatory treatment of long darrillon is often unasses-
- V. Same is of the rervical canal is not produced by this operation.
- VI. The operation is almost free from the risk of collulitie, septiments, or death, none of which occurred in the above series.
- VII. It is possible to operate atthout an exembetic when valvolar desire or fatty degeneration of the heart contradiction in sec.
- VIII. If trachelerrhaphy and perincershaphy are both moresary they may be done at one mining.

In the discussion which followed, Dr. Ergalls of Hartford and a Tree paper of Dr. Beckwith a to a forcible one, and one in which he has brought to our notice some entrable points, and my only object in speaking upon the entroit is to most throughly endouse all he has said. It is very true, that all the time speet upon most

of our cases of lanerated cornix, trying to cure these by local treatment, in time thrown away , and an operation is the only thing which will surely effect a cure. The operation has been severely contemped by some, but it seems to me that the condemnation has been most unjust. It has happened, as will happen to every new operation, that in its early days every increated cervix, no matter how slight the rent, was operated upon, and the fact that closing the rupture falled to bring about the beneticial results looked for cancel the operation to be blamed. It is necessary to bear in mind that it is not the simple existence of a largeration which calls for an operation; it is when nature, in attempting to heal the lateration, names a plug of exactricial muon to be formed in the angles of the incontion which given rise to cortain rofter symptoms. that we are rained both 10 operate, and by removing this plag take away the name of the neurons and restore the patient to health. When, then it is determined that an operation is called for (and right him. I will say that by no means do all cases ilemmed an operation). care must be taken and proper perparatory freatment adopted to billing the parts into continue. Under no consideration should an speculies he made when there wany tendemon in the broad or atensacial ligament, or any cabulitis. The must all be first sulduel, and then the operation can be exist performed , but, as I said at first, when these cicatricial plugs are in the angles, and there a sit eversion and erason of the mixtue membrane, it is time thesian away to dry to head in by treatment. An operation within only thing that will being a salisfurnery ending to the case."

The paper was discussed further by the Nelson of New London, who throught them cases seem and pull due to subject dation of the uterus. To which the longith replied that he considered subject-believe the effect, rather than the same of those symptoms. He believed that we do! not see subject lattice and not year the uningrity of the steems those had been damaged in particular.

To North inflowed that these incomitions expert to be detected before they had existed a long time, and favored an examination before the seriam was allowed to go about the house, for the purpose of deciding warther beneation exists or not.

Dr. Will discussed the inteject with special reference to the neryour condition of women suffering from this secretary.

Dr. Halbard remarked that, - while he had not the surgical expenses of his trained Dr. Reckwith in the treatment of incern-

tiens of the cervia steet, he had no doubt that is came which had reached the stage of ozonica, the only accounted treatment nor sible was that followed by Dr. Beckwith in the very interesting series of cases just rend. He believed, however, with Dr. Neison (2), who had just spoken, that if the mate of the contorl were always examined at delivery, any interation found could be in many carries at treated that it would not reach the stage of eventor, or give rise to the distressing nervous abdition which follow it. The binateinal trees, alimbed to always a barrier to the mateu of strided suffices, was doubtless the result of corone as trialment by causion and most of course he removed to surged operation before union could take place. He regarded this operation as one of the greatest triumphs of American surpery. It was to be nemembered that these mess had some under breatment from a variety of sources, whence the precentive inciment alluded to could not be had. He had met with a number of such most of recovery (and cited one), but he recovery he did not mean of course, a perfect union of term surfaces, but such a degree of apposition and beging as left to painful after results. In our race of bilitized division by inciden, the union was perfect-but such a case as this was outside the entergory of cases included in Dr. Backwith's interesting and very matructive Ermy,"

In never to an inquiry if the nervous symptoms disappeared after the operation, Dr. Beckwith replied that they were usually markedly releved, the amounts not always. It is deficult to follow the autosquent progress of the race. The moral effect of the operation often decrees patients into thinking that they are better than they maily are immediately after the operation.

The paper was forther discussed by Dr. Denglas and others,

ESSAY.

THE DAMAGES OF PARTURITION AND THEIR REPAIR. By Dr. P. H. ISOMAR OF HARROWS

There has been of late a tendency in the probassion to talk against the legitimate practics of specialities, and the gry less been advanced with the theory that every specialist half at the feet of his particular branch the cause of all the and troubles, at the source time reglecting to pay the proper regard to the treatment of the general symptoms complained of. Thu, I think, is a grave store. and they a great impostice to a class of mon who have speak such time and labor in obvioring the orionse of modicine, and in pointing out the fact that there exist many troubles of a truly local character, dependent antirely upon a local lation, from which may spring a train of symptoms must of which apparently are of a general nature, and which, in many cases, species personal treatturn) without their true curse ever being assertained. We admit the fact that general symptotes and a patient's general condition are never to be lost eight of in the treatment of any choose, and a epocalist who so far forgets the true principles of extention modicare as to let the local condition absorb his entire attention, to the neglect of the governé condition, a better test of apariables than in it. Specialists, however, are, fortunately, rarely of this class, and in their runks are to be found mon who have done as much if not some to promote the true a some of molicine there my present practitioner.

In the ranks of specialists we must justly claim that the gymecol tegists are untitled to a large share of peaks; for, in the past twinty first years, we what progress has been made in the freatment of discusses of waters and see how more mass which, in the last government, were questly left alone, all ideas of the cancer and treatment being unknown, and which now are properly degree learned and treatment to the peaks of the cancer and treatment being unknown, and which now are properly degree thanks.

d. Marion Sime name is one which overy precentative by

Amother night to be proud to honor, for to him belongs the glory of preiving and politing on a practical basis operators and postlecal forms of treatment for many cases, in the treatment of which, the general practitioner felt his hands tied.

In the treatment of injures possiting from paramition a most weatherful degree of progress has been usedo, and I must claim for the speciality in this branch of modition that he has been the masse of emorang to lead to more a woman, who by a movine labor test hought upon bound a life full of suffering and paint and if the operation, by which this means is accomplished, is so simple of performance that the average peachilister is capable of undersaking it, so much the means of relief were to be found devising and tracking that the means of relief were to be found always at hand,

But let us consider some of the injuries of paraerties, their cause and effect, and the means at hard for their result. The most frequent accident to the partitions woman, is probably increasion of the certix trees. It may be had down as a fact, that no woman sears a child without describing the integrap of the certix is mann extent, but my stea in considering this below is to inter those cases only where the lexicals of a sufficient degree to smille in to look at it pathologically. There is more advantors untug about this condition in the profession at large than about any other condition which we are called upon to treat, and for a long while the operation for its rotici was condemned on the one call and spain every lacoration, no marker how elight, was operated upon. The proper middle ground we will try and bring out as we process.

To Thomas Addis Kauses are an arbitred for bringing this lation to the unities of the profession. Early in 1862, his attention was first attracted to it, and after establing the cases, he first wrote a paper on the subject in 1869. About twelve years ago the profession began to pay it some attention, since which time it has been received with great favor both at home and about, and many symptoms, the subset of which had before remained in obscurity, have been traced to that smon, and relief has been given to the pullent by performing the squeation at a member period.

What note any the range of invested curves? And what follows when this combines outside? Prolonly the most frequent cause is prostrous taller. In cases where the pairs are strong, and the treases of a firm and unyesting character, labor often takes plane quickly, and helow the certify has had time to dissert the head forced through the partially diluted service names repeate to take piece. The same may occur whom there is a right on, and the power of the abdominal marks tures the child down against on any alding to which refines to slinke, and leave in order to alms the passage of the head. The influence of instrumental deliveres upon hermiton of the curvix has by some been denied, but I think it is a fact that the high Aspects operation has remed a good many mass, for, had the proper amount of dilutation laken place, of course the forceps would not have been necessary, and the very fact of their use goes to prove that nature but not safe. ciently dilated the cerrix, and the head was pulled through an opening the diameter of which was less than the diameter of the land, hence comething must yield and that consuling was corvical timus. Abortion is a strong factor in the production of a incorated corrie. The same elements are at work as in cases of free and rigid us, for in abortion, and especially conornal abortion, the sterm is called upon to send forth its contents without my preparation, dilatation,

The frequency of this condition of the cervia is something startling. Ensured gives us a table in which free bundred patients are taken consecutively from his case book, and in those five hundred women, thirty-two and eight-tenths per case, or nearly spethird, were found to be suffering from a laceration of the cervia.

One of the most frequent questions asked by patients when informed that they are suffering from a incommed cervix is this: "Was my medical attendant, at the time-of labor, at faith for the incommon ?" Generally not, for in numy cases it is the fair is the natural proportion of dilatation to the power of the paint although non-cross a too harry application of the forceps any to have responsible.

New it is for as to consider what is the effect of a lagrentest crevia upon the patient. There is no doubt but that there may be a slight solution of continuity in every case delivered, and these single lacorations may be left alone, and no results of an evil instere obtain; but it is not of each mose that I desire to speak; it is those cases where there are symptoms resulting and actually dependent upon the tear. In the first place nearly always there is there subinicionally dependent involution. The interest measures from three staff constant to bear and one half tooken, the tissues are upongy, or size hardened, me

endometriam highly competed, blooking manly upon the passage of even the small aterine probe a constant decharge of lencorrhonic matter, counting great sections, and frequently giving rise to attendation of the lates and adjacent learns the ateria, being too heavy for the figurests to endain, topples over in one direction or the other, giving us a retro, ands or laters version or flexion, retroversion being the most common form of deplacement. The patient complains of learnershop pain in the back, pain in the sides, a great deal of bearing down and dragging pass, which very some begins to have its effect upon has nervous system, and reflex symptoms begin to show the markets.

The patient suffers from heralacies, generally referring the headacie to the back of the land; oftentimes the eyes are affected and the centlist is econsisted, who, failing so discover any ophthalmic trouble, calls the genecologist to his not to discover the uterino lexion so the sent of the trouble. The storagh is also generally affected, and it is remarkable what an amount of sympathy exists between the storagh and the uterus. The bravels are constipated, and walking, he well be standing, becomes a burden, and at the same time various vested difficulties togin to manufact themselves.

Stirn ity is very apt to follow a interated covery; the conditions _ previously downhed obtaining, of rourse the uterm is in no condition to allow the oran to become nourished, and impropriation earedy taken place. About seventy rave porcent of all women who have suffered from this leaten remain sterile, and many more, if they recons pregnant, habitually about. The menstroal function becomes dissolved, as a rule becoming more profuse, often alarmingly so, sometimes owing to the constant state of engorgement, and again every to structural changes in the blanes of the organ Heal Then changes are nest important to milion. We get granular and systic degeneration of the cereax, and the endonceroun often rules on a fungous disponention, which of itself him no true cell surgeons, coming a constant dribbing of blood, and frequency a flow sufficiently second to to called a hemorelage. and some writers argue that all our mans of epithelioms of the tay'k come from a lacensoid cervix.

Remor mayor "I will place on record the materized to the offers.

that I have never known a woman to have may form of epithodal curves of the atomic interes else had at come time been imprognated.

Messacor, I believe that nearly all if not all, cases of epithological.

ar sanithmer growth have their conting ratio are edged in a lawration of the cover.

To making the physical examination of these cases at first one will be struck by the interior one of the or, its apparently rel and inflamed apparence, covered with a minospinited discharge. The case is often jet down for "alcombing," and mustice and as traggets are applied. After a long steps of treatment the case is given up in despoir, generally because the juiced has become were out at continued treatment and refuses to be kept in hand longer, but if the case he holded at in its true light in will be found that the capita has been split, the torn lips have energed, and have become moded from exposure to the vagina; there has been as a result of the twer, an attack of collulate, which has left the creatation of the parts obstructed, the uterus is fine and many of these are breaking down in cyclic degeneration, and the uterus is in a many of substructation.

We are now to adopt the proper form of treatment for these cases of increated corvin, and naturally the proper thing to do to to require the rest and restore the natural condition of the uterm as for as possible. But marrly every case will require some persons ters treatment, and seeps must first be taken to reflect the examition of cellulate, which will be found to exist in rearly all the cases. This must be accomplished by using the last reginal accurate (1104-1201 F.) for a period so at least twenty minutes every day. were to relieve the outgresson of the parts. A word here in regard to the hot ragical deaths will not a sin a livery practitioner has seen coors, where the raginal stoods has been onloved, fall to respond to the use, and in many instance, the brachts counsed for it have been drived. Misse of the finings are to found one to the market or which the patients have taken the denote. When a patient is ensemd to take the vagual develor the elemen arthat unless special illimitions be given her about the proper way by take it, ate will me the Journa in the setting posture, and very tittle good will seedt from it thee need, for when a potient so in this position the contents of the abdominal raysty are all errorded. shown upon the storms and the box stater does not have free across to the reagested parts. The dearlie should abrays be given with the palated from our the back counts or any countricing built breated, they giving the water free masses for the paper. This cononly be satisfactorily accomplished by buring a nurse give the dencire with the Davidson syrings, or one by the use of the forntain errings.

Should there be well marked thickening in the collular tions around the ovaries, a blister over the ovarian region should always be used. For the old inflammatory deposit, or cellulitie, as many writers term the condition, the raginal roof under both broad lignments, should be painted twice a week with Churchiles Tincture of lodino, and it is a great aid to alone under the aterus pade of conton, saturated with giveering to give the oteria a custom on which it may rest and to take the weight off the ligaments, as well as the good effect of the glycorine on the tasses. When any cellnuris saims I think a peamity should not be used. Much of the harm which the opposites of the penary count is caused by these intraments can be traced to their injulizions use when some inflammatory condition exists in the periaterine collular turne. In the cases where crotic degeneration has already begin, and the parts are sugarged, and blood upon the slightest irritation, it often harriers cases loward operation to doplete these typic and to scarrily the engaged cervix; then after it has blod freely for a brief time, so amplication of Monsel's solution, or even of glycero-tannin, will toud to reduce the hyperplants condition of the parts and help get them in ships by operation.

When the tentiment has been persisted in for a period of time varying with the nature and demands of each individual case, and all the tenderness and inflammation have disappeared, so that upon examination the thousance found to have less all their indurated feeling, and the organ itself has become quite easily movable, then we may consider it safe to operate but to operate before those inflammatory conditions have been gutter thoroughly under control in poor surgery. For finiter such communicances the operation is inside to feel and, more important still, there is a probability of starting up a fresh attack of local personness or colluities, which may become general and cost the patient less life.

There are various forms of laceration, and of course the operation must be varied to most the demands of each case, but having properly disgnosticated the case, and feeing sure that the patient a result for an operation, she should be placed in Sim's position, and with the Sim's speculous the perincum is drawn back and the parts appeared to view. The thouse must now be demanded, so as to give us healthy hape to being min apposition. When escape has arrampted to heal the true, there will be found in the angle of the laveration dense plags of contrictal tions, which it is absolutely essential to remove, the they as far insorders with the circulation in the parts as to deprove the tasties of vitality, and the operation is habie to go for saught, but taking care to remove all this hard. denot finite, and carolally denoting the surfaces, remembering not to denote the mills of the canal, if the operation be for a situteral iterration, the fune are to be brought together with wire suiness, which remain ten days, the patient being kept in bed See a week after their comoval. Buring all this time carbolized raginal dourher should be used twice daily. The house may be opened on the third day, and the patient's dist. can then be made quite liberal. If care be taken, and these extends he properly carried out, union will be obtained in nearly all the cases. As wee mentioned in the early part of the paper, the patient's general condition must not be lost eight of, and during the preparatory restracat her general health should be kept up in as good a condetion as possible, by the use of forcies and good feeding. When failure does take place, it will gossessly have for its curse some low condition of the general health, or some fallure in selecting the proper time or carrying out of details of the operation.

The good results to be obtained by the performance of this operation are impositionable. The size of the interest is reduced, the extra weight is taken off the ligaments, the organ stays in its true position, the leacorrhon is generally absolutely oursel, and the woman's burdens are relieved.

I do not think the liabilities of a succeeding rupture are incremed at all by the operation, and, in fact, I know of many cases in which, by the operation, sterilary has been removed, and a successful name passed through without the sourcease of any Increasion.

Passing to the next form of damage countd by particultion, leads as to take up the subject of incention of the pericons. This boson after occurs in conjunction with intention of the certify, and frequently by shalf. Many of the authors upon gymeology, are in the faint of classifying invention of the perisons under these basis. First. A incention, explic in extent, running through the fourclastic and a low lines down the permeal body. Second. A laceration extending to the sphincter and. Total. A

inversion automing through the sphineter and and involving noise of the rection against uptions

A very large proportion of all women delivered suffer a slight lassembles of the permount, and probably no woman lears a child without being becented through the fourchette. These cases, however, rarely call for interference, and, as in the proceeding class, we shall not take them into consideration, but will take those cases whose the laceution extends down to or near the sphinner, as well in those where the four is through that muscle. This beion does not occur as frequently as does becoming of the exercia, and, forsumusly, we are soring less of it now-a-days, when marry all the practitioners are beginning to do the immediate operation for its clisure, and tener cases come to us for treatment. The causes of larenced perincum are nearly the source at those which have hera commended for increated curric, the most pronounced being a lack of dilatation in proportion to the power of the expalare passe. The results to the somes are, however, budy so bad, and is many cases have far more serious results. There existed for many years an idea that the perinous formed a support or a Bose upon which the polyacorgans rested, and that its loss took away this support, causing providentia, retroropton, recrossle, cystocole, and kindred oils. I think this idea has enflored quite a modification latterly, for while there may or may not be a new personal body, still there is a formation of these in the sermed region, which serves to been the autorics wall of the rectum and the posserior wall of the blobdor in their true positions, but it hardly arrest directly to hold up the unions, whose weight I think comes upon the mero-secral and broad figuresits. However, if this body or structure be torn through, a train of symptoms are started which bring upon the patient a deal of enfering, and which nothing but surgery will relieve. The first condition which we generally had, is a halging forward of the autonor wall of the rectum, which gradually begins to descend, when a well-marked wetocele prosents itself. This pulling down on the jourcesor vaginal wall drags the uterns over inchwards, and a disposement of that organ occurs. We now have our patient complaining of buckache, fearing-loss. rain dragging, constituted formels, weakness, inshilds to walk semand, headache, indigestion, dramatorrhaga, and general mercuna symptoms. The same symptoms are to be seen when a eventale. is the origin of the trouble, the persenter wall of the bladder may

come down, instead of the anterior sectal wall, and pull the oftense down with it. We will get in this case a probated atoms, and semetimes one in a state of complete procidencia. When the laceration is through the sphineter and, the lam of control by the patient over all focal matters and gases, renders for life one of misery and suffering.

It is necless to attempt anything but the radical operation for this hist-named unfortunate class of cases, and it does but little good to do anything but operate in those cases where there is any shange in position of the nextal and vesical mate. I have not seen good results, and only partial relief is ever distanced by the named possessing and it has always motival to me, that the time used in fitting them and trying to get some good out of them, was time thrown away.

The treatment for incoming of the periasems, then, brings uself down to one thing, an operation. Here is an opportunity for insisting in an immediate operation for cioning a lacerated permission, and I am fully convinced that this is the only proper corner to prime. I know that a promonent professor of obstations in our largest American medical codego advisors the opposite ground, and says. - Wait and say if mines will not kindly step in and close the wound without the one of settings; but he stands nearly allows in this ciese, and I am sure that nearly all are agreed that the time to operate as the time of the occurrence of the laceration for if we want and see if nature is going to close the wound, the grédies opportunity of having fresh surfaces to large into apprecious as lost.

This view, I feel, is one which every one of us a bound to adopt, if we wish to consider what is cost for our patients, and for the remone: I.m. The dangers which are always present from an open wound in the partneral state. 2d. The evil consequences likely as follow if the periodal structure be descroyed. To consider the first reason: Suppose we have a perincum lacernood down to the sphineter, what condition obtains? We have an open wound expansing a raw autilises which is righly endowed with blood and lymph vessels all ready for absorption. Over this surface must run for a time (about two scories) the located incharge. Would it be considered good surposy to boths an open would with a naive-parallel discharge made up of saveds of brooms down and decaying those, deserganized blood and part. Yet this

is just what happens when a incented perincum is left to sature, and many cases of so-called, but falsely-named poorporal lever, which is in reality prosperal septicesmia, are due to the fact alone. Again, what sight have we to let a patient run the risk of displacement, exstocele recrossio, prolapse, and the kinduck requels of loss of support, when an operation can be performed, with but hitle trouble to the patient or her attendant, which will be a cure and provent all these results? Every patient, then, should be examined after the third stage of labor is completed, and if any laceration has occurred, entures of sifk or cat-gut should be put in at once. In the majority of cases to amosthetic will be peoded. the continued pressure of the head on the parts will have been sufficient to have produced enough local asserthmen as that the placing of the stitches will cause but titale, it any, pain. In placing them, care must be lalors to carefully pass the stitch completely under the laceniton, and perfect apposition obtained so that the wound can receive none of the lochard ducharge. The effe can be left m place for days, and if the gut to med there will be no need of its removal, as absorption will take place

In cases where the (emediate operation is not performed, it is important to decide at what thus, after labor, it is best to operate, I think it is generally agreed that, unless the operation is performed immediately, it should not be undertaken until all the results of the parturiess must have passed away. Not earlier than the third month will we find our patient in the best condition for the operation. Then the bownle must be thoroughly emptiod, and the parts carefully desided, the object being to pestore are only the skin, but the more, making the trangular body which is between the vagina and rooting. A skin peringum is interly use. loss, and naless the budy is nestored the operation is of his awar. This object must be borne in much when the demolation of the those is made, then silves stire samula are passed, care of course being taken to pass such stitch completely in the septem between the denieded earthers and the rottum, the parts brought into perfect apposition, the entures twisted and cut off. The patient must be kept in hed for two weeks with the kneep tied together. The urise will have to be drawn, for z must not be allowed to flow avethe edges of the wound. The towels can be moved on the third. day and kept open afterwards. At the end of the first week the

stitches can be emoved and, if the patient's general condition has been good and the operation property performed, union will take place

When the inceration is through the sphireder and, an immediate operation is not universally succondul, in fact failure often occurs, len movertheless, I think it should always be altempted, even if only portial union be secured. In performing this operation, whether at the time of inter or as a secondary operation, the dependstion will be about the same, but the difficulty which will present study will be in bringing into apposition and boilding firmly he place the divided each of the submeter. The extune first yet in most be so placed that, when they my drawn up, their Acree will be exerted in the same circular direction as our the filters of the muscle, the autures allowe being placed as in an ordinary permeterhaphy. This operation is one of the mondifficult in surgical gynasology, and fulures are more bequest. Still, it should always be persisted in, for no more spouldisome condition can be imagined than the loss of control over the restrict. where the power of the splinger has been loc.

I have so far taken up two of the most common of the damages of paramitics, and as I have used up to much time in their consideration, I deem it best to noter the consideration of other damages till another time. Vector-Vagnal and Recto-Vagnal Fixtules are too important to be crowded in here, and demand a paper for their especial missiferation.

ESSAY.

THE MICROSCOPE IN ITS RELATION TO DISEASE.

By Dr. J. W. WEIGHT OF BRIDGISCHT.

Ou the 10th of April, 1882, Dr. Bohert Koels of Berlin, announced to the world the discovery of a featerism, which seemed to be constant in tubercular times, and which he believed was the cause of the suberclo. He further accord that he was able to propagate this parasite in golutine, and then, by ineculating aninula, produce all the symptoms of tuberculosis.

This was not, by any means, the first time the presence of living organisms had been suspected, searched for, and amounted as formed in intercular material, but it was the first time they ware made demonstrable described fully, and a method for finding those revealed; the first time this was done by a man of science, who was aware of the full meaning of his words, who was walling to mak his reputation on them, and felt able to prove their truth.

This discovery marks two errs in the history of medicine first and most important, a visal change of our views an thresticlegy of influenciasses, and, if of internations, perhaps many other discusses which, like it, may be found to have its origin in discase germs, and second anew departure immissiscopical work, namely,—a method of discountating objects, not by increasing the power of the objectives, but by staining the objects. The instruments used were powerful except previously, but the from generally of the barteria to the substances surrounding them made it impossible to distinguish them used they were both separated from those surroundings, by culture in other materials, and stained by a peculiar process.

It were strange that this amountement of the subords bucille about have excited so little attenuous in this country. The medical profession seemed to regard it as one of those startling statements of an enthusian which would be soon conducted.

Another reason might lie in the fact that Asserting physicisms were not sufficiently acquainted with the progress of moreosopical research, and were not promised to accept or reject my statements.

It is the truth that, for minute, pursuaking investigations, the Germans are far ahead of any other infinality, and Kock similapre-minently at the head of German investigances. It is time now to awake to the fact that we are far behind the age in our histological work, and strive to ratch up. We have been inclined to look with some compassion on our slew going neighbors, and it is rather mostifying to address letter their experiently news. More than a year had passed since Korle had proclaimed the subspile bands in the cause of communition before any one on this aids of the water ventured to atomics as opinion. In the Molital Resert. of April 14, 1881, T. Mitchell Problem of New York steps: "A careful and expertial study of Dr. Kock's papers on the bacillus referendence, and the more or less valuable communications which have followed in great numbers, would seem to lead to the conclution that an important discovers had been made, although how exportant and exactly in what direction its value lies it is yet too early to say.

Two months later, in the same (ournal, he again says: - Although more there a year has passed ongo the amore sense by De. Koch of his hypothesis of the harmoral origin of informations, and the long and legical series of experiments on which a is based, it is still, in the main, or nearly the same condition as that in which be made it known. . . The more extended amounthes of the past year have shown that the examination of the nexture is of much more practical importance than the original autonomously gave remon to support; that the technique of spatten countries a for the bueillus baberenfosis must become a part of the professional furnishing of every supers diagnostician . . experimention of telloconing bosions and various excreta are leading to fairly definite conclusions in some of the accessory fields. It is already practically established that, in the larger proportion, if not at all rases, of phthide in which there is evidence of this breaking down of interrulous tistue, and in many raises in which the physiral signs are negative, the tollerely family may be family it saffcient care and stall be exercised, and that they do not occur in

non-tuberculous mercain. . . While as present of much practical importance, reptility accumulating data lead to the belief that increased definiteness in the assumite of the value of such ensiminations may be confidently exponent.

These views are not those of a man who jumps hastily to a concineous without sufficient evidence. They are the opinious of one who weight carefully the evolution milested, and speaks positively only when positive of being right.

Two more years pass along, during which Dr. Problem has made the journey to Korle's laboratory, and stomed his methods. His lection have now become convertions, and he speaks no some doubthally, but positively. Toolay by bracker to the students of the College of Physicians and Surgeons that the interde bucilli are the came of consumption, that the arithrax famili are the came of malignant probab, that the came of glanders is a germ, and than chelves may be preduced by a comma burdless going down the throat. In his report to the Communical State Board of Health for 1983, he may be While it has been definitely proved that certain dismoss in some economytem, analignant probab, expepties. Assure chelves, glanders, and certain forms of blood principle—are due to because, and bucteria above, three are covered other diseases above which proof is not so conclusive, as typhoid loves, pneumona, diphthera, etc.

Those articles, above mentioned, by Dr. Prudden, the report of Dr. Cheyne to the Association for the Advancement of Medicine. on the "forlation of Micro Organisms to Tuborculosis," published in the Pro-titioner for April, 1883, right lectures, mainly historical, by Dr. Gradle of Chicago and one by Dr. Betfeld of Chicago, a few mattered editorials and some stray papers from persons was rink into print authors any come, comprise the built of the Amersean literature on bacterio. However, once Koth's later discovery of the cholera turilles, while at the hand of the Cholera Countries sion which was well to India in 1882 by the German government, and the further proof of its groundered on the breaking out of the cholers in They and France in 1884, more intense interest as being shown, and it is probable that intense and carned mark a being accomplished, which will be developed later. While the morniou to laker of a pioseer is but to us, much in the way of development and corroboration remains. We should not husbase. at least to map the fruits of another's labor, and keep pace with

the strides now being made in tarterielogy in Germany, France, and Italy.

In the fermer neuntry, especially, an impotes has been given to microscopical research by the discoveries of Koob, had to be realized lare. Apparently, every one at all families with the microstrong has become afflicted with a denire to insureralize himself by the discovery of a new Incientum. It has been discovered by those appraints for finne that micro-organisms are the cause of alsocosts. furnacia, asses-myelitia, pyamia, traumatic fever, arysipelas, gangrene, phlegman, malignant ordena, charbon, subcreutoris, glanthere, typhoid fewer, relapsing fewer, small-poz, cost-poz, sheep-poxmeasles, ambitheria, legrosy, syphilis, mith fever, generators, trachoma, erempous prominenta, ondocarditis, sympathetic oglithalmia, whorting cough, rhinto-comma therygium, thus potential and other diseases. Added to these, it now seem as if our most comtion and constant enemy, malarm which has been the special topic for report by your Constittee on Matters of Profosional Interest, loss at last been traced to its source, and found to be a germ whom home it the red blood corpuscie. By George M. Sternberg of New York, who has spent some time in Rame study. ing the "malarial goes of Laveran," with the sentance of Dra-Marchistica on Celli, at the San Spirite Hospital, Las found it in New Jensey still.

The Medial General of Paris huncounty describes a new its save, prevalent arrong medical men who are eager for lame, which it describes and names recommends.

While it cannot be denied that many of Kosh's critics apposed from through motives of jenlency, or because there do not make stand the proper supe of his hypotheses, and do not take the pains to deduce beginni reasons therefrom, it is also true that many differ from him hornoidy. Klear and Gibbs, to India, making the same investigation into the cames of sholders, do not find the comma families constantly present, and do not believe it to be the name of the disease. Finkles and Februs in the cames of cholers. Public out their own finding, which they child in the second conference on the bern, held at Berns in May, 1885, after a full explanation by Kosh. On the other hand, Forms of Spain claims to finte the local the besillar disease, in a carriers morphological shanges, and

claims to have found by attenuation of the visus a method of preventing sholers by inoculation.

While it is true that there is much opposition, and what, perhaps, is weeks, extragagant speculation, it is also true that the impority of careful students of science are arrayed on his side, The rapidly accompilating data and the caryfully conducted experiments in cultivation are bearing up the facts in an overwhelming times. Although no practical results have yet, been deduced from these German theorets, it is something to have found our fore, the germs of discase. Although the English are doggodly refusing tobe envinced, Lister is, meconicionally perhaps, contributing to our helief in the gern theories of disease, by teading that there is an intargible something, which can be persented from enturing the system through surgical wounds, producing septicisms, gangross. etc. Pasteur is so cultivating and managing an anisom intaggible something that be prevente the development of hydrophetics in men and digs. Koth discovers and actually sees and bandles comething which produces discuss and kills in both man and animals.

Is not this the regization of a something we have felt—the demonstration of a theory—the fruition of a loops?

Their people will still suffer and the feste communition, that the postilence will rawage the hards, detroit mething from the value of the discovery. It is no small thing to have discovered our rate takes although we have not hard their wind points. It is nonesting to see a light, faint though it be, in the darkness about us.

Vo-lay we are approaching the minuit of the minimum on whose hither note lies all the brightness. The shadow has been gradually beauting since we left behind us, many, many years ago, the importations and arepressures of many generations ago. It has been the represent of irrelations that it was rever an exact science, but a collection of procedure a deduction from past experiences. Let us hope that soon we stall to able to see our fose by the aid of the microscope, and periods to alle to variously them.

Let us here fixed from an article by Dr. Restricy, in the Nestool Record of May 17, 1884: — In these diseases — malignant pustule, relaying force, and tuberculous — lacteria as a cause. Investood the crucial tool. So far we have scarcely crossed the threshold of the mysterious temple of colours in our search after faces of colclogy. It were too much to suppose that, even in our time, we will reach as far as the interior. From what has already been accompanied we can with more certainty, forested what the sail will be —a translation of the present system of medicine to a sphere of already another coder. There are many sittle conservatives however, who will treat this assertion with incrediable, and perhaps even relieface. To them the nerveal of the germ theory means nothing but a repetition of history, having us rise and full as other historical events have find. It must not be frequency becomes that the theories of the past had their origin in speculation, more they are being tested by the methods of exact release, and we have the satisfaction of at least knowing that hereafter its question will become settled forever. The theory must smark to full by the present scientific methods."

In California, James Lick left \$700,000 for the building of an observatory. Men applical the deed, and call it a gift to netwer, as undeed it is. \$100,000 for the purpose of revealing to an more fully and clearly the wanters of the heavenly bottom, but not one cent for the purpose of revealing to us jum as many wonders in the world about us.—things which affect our life and well-being, the fuller knowledge of which might unsist to save from sickness and death multitudes of our fellow sum!

The work which the microscope has accomplished, and is to-day accomplishing, in perfecting our knowledge of the human body in its natural and dismost condition, cannot be over estimated.

Histology should be taught in our modical rolleges as a necessary qualification for graduation. The interescope should be as necessary in the atmentionarium of the physician as his stelloscope. We need it in the examination of the same for the determination of diseased hidneys, in examining the blood for lessensia and malarial germs, in determining the nature of the mother's with and in the impicious cough of an incipient inhomolosis. We should use it as we use our spectarios to see more distinuity the familiar lines of the daily paper.

Perhaps it may interest you to know that, at the present time more attention than ever before is bestoxed upon introscopical work in the medical colleges, and endests are neged to obtain a practical knowledge of bistoboxy before unouing upon the practice of medican. In the College of Physicians and Surgeons daring the past year, several old men who had been practicing undicine for years, and who were anxious to keep alreads of the time. have been familiaroung themselves with the microscope in its relation to disease. There is no doubt that physicians everywhere are becoming awake to its importance. Do not say to positiones it is too late.

> "Ah, mithing is too late. Till the tired heart shall cause to palpitate. Cato Iramed Greek at eighty: Suplocies Wrote his ground (Edipus, and Statutishia Bute off the prize of verse from his comperry, When such had numbered most than formour pract; And Theophrastas, at fourness and ten-Had but began his 'Characters of Men', Changer, at Woodstock with the nightingsits, At sixty westerlier Casterlary Tales 1; Gurthe at Weissur, toiling to the last, Completed. Fixed when eights sears here paid. What time? Shall we sit idly down, and my, The night has come; it is no longer day? The night hath not yet come, we are not quite. On off from labor by the falling light. Semething remains for as in do and dare: Even the oldest tree some fruit may hear."

ESSAY.

O TEMPORAL O MORES!

By Jones G. Scarres, M.D. New Lorios.

Mg. Presurger and Greenman:

Some conturies ago a goulleman of the upper class in Reng, famed for his charming and personsive obsquence, as well as for his power of scathing invertive and verbal exponistion, rose from his place in the general assembly, and with some heat of manuer, undoubselly, with pointing the finger of scome asked another gentlemen, whose chief characteristics seem to have been unfilled: ing effrontery and improlesce, . How long be intended still incontinue to abuse their patience?" The virtuous redigminion. which welled up to the breast of Ciocoo at the eight of Cataline, and found cont in the outpouring of such sentiful democration as would have becould the hide of any ordinary thinseems, might well find a responsive echs in the breasts of all honorable and resultable physicians of this commonwealth, when they comabler the mans of impudence and ignorance, which the law, or lack of law, pennits to manyers de union the name of " Doene," and allows to continue to abuse those patients, which by the laws of natural selection, ought reasonably to be ours. The lames of the laws in reference to the practice of medicine is such that it toems possible for anyons, however agnorant and apprincipled, to under take medical practice with all its grave responsibilities, without the least preparation, or knowledge of its requirements' without the least socurity for the people, from constituted authority,

Protested to the last degree in everything clas, the citizens of this State have absolute free trade in the region of medical process. After tailing in overything clas, there is left to the unfortunite individual, if he chooses, absolute freedom in practicing medicine He is not even abliged to send an thirty deliars to some Western method, surgical, and obstetric mounts to abeain the survey degree, but in all the impodent amorante of dangerous ignerance, be may calmly set forth on his act imposed minim of healing the sirk (at reduced rates initially); and there shall be some to motest or make him afraid, rates in he cought in the meshes of the law for malpractice, out of which, even, there is a chance of semping sort two. That this picture is not in the base overdrawn, each size of you can doubtless besinfy; for, unquestionally, as I speak, there rises in the mind of each here informs an example of just such an one as I have reformed to

Simply to state such a condition of affairs is to condemn; but, deplorable as it undoubtedly is, I see no may of bettering the attention, except by cameer and persistent endeavor on the part of those most interested, in beloging about such legislation as shall result in sense intelligent supervision and communion by legally constituted sentently of those who desire to practice medicine. That the derived result is most difficult to obtain is evident enough, because of the popular apathy, I will say may hostility, in regard to it. The mutual projection and policine of the different schools of measure is another statishing-block in the way of concerted action, and without concerted action I fail to see any prospect of anotheration of the present state of affairs.

We may as well recognize the fact, gentlemen, that there are other schools of medicine, which have an accepted standing in the community, however such we may disagree with them in our method and principles of practice; and that any movement in the direction of preventive or regulating legislation must recker with them, in order to a seccessful accomplishment of such a desirable result. The supreme question is how to bring it about, I can readily belong that the Homosopathic and Edectic Schools are just as eager as we, that the law shall prevent every solved from appearant quark from rushing into medical practice, unless he can prove his addity and fitness before some constituted authority. They containly cannot want uninstead feedom, even though each freebooter inscribe on his "contribute" the word "Homosopath," to "Eelectic" across his "Bar Sinister.

There are hences men doubtless in these schools so well as core. We have no instopoly to the boost men, mer they of the distopest. It is well to bear that fact in rand. We are accurrented to speak of the medical profession as one of the very soldest that uses our engage in, but so one but the phyfician bimself or his immediate family our base may aloquate idea of the mental and physical labor and fatigue he is commutily compelled to undergo in the conscientious discharge of his during night and day; long hard days with insufficient commercial, and offentions the very element of gratitude waiting; combating ignorance, superstation, and fifth, working as no other professional man in the community has to work: and telliged to come in competition with men, who are allowed to style themselves doctors of medicine, but whose ignorance of overything perfaming to its right not is simply appailing.

Of what use it it to spend meanly and time in acquiring profriency in melicine if the very people for whom good and benefit in time of sockness and timble to wish to me it, have not intellegence chough to see, that is protecting up from the chem and granted compension of medical samps and free linear, they are affording the very best protection for themselves when the need comes for selectific medical knowledge. The average man does not scot to be told that it is not to his advantage to buy adulterated Boar or eiger, simply because if is cleaner; but, when it comes to a matter of life and death a great many of these will employ some protender became be has the merit of cheapness. The fant is not wholly theirs horseyer. What knowledge can the average citizen have of the man who calls bimself "Domes," small be has fined him ! Even then be cannot judge absolutely, because there is so great a possibility for quackery. He but to take him most or less on trust, believing that the title is worthilly wors. The title is er should be one of dignite and truntworthiness; but it is already tare culed by association with aspect the vilon and most quarticaless of now - mon who pero meckly as christians, but disposest to the but degree, in that they there assume responsibilities, for which they are are in the alighant degree fixed by admention or otherwise.

Do you recall any whom this description fire? In one fair only of this commission while, a collider on his beach started out on the periods road of the abortionist and his faine extended far and mide (sub-roup) as the forms of the unfortunate both married and augic. Finally, Justice got on his track, but she did not catch him. Oh, and Time good a man. A numerously signed petrion of influential collection breaked off the investigation, and proceedings

thisply stopped of proposed which a learned divine remarked, two ought to have a founding hospital here with Dr. - B' as attending physician, and Rais Coth as matrix." In another city as unfectionals shirtmakes, who in his promper days, is said to have read homocouthy nearly a stack year, failing to his hardable endeavors to earn a living by earling that meets useded goods one gament, merted out to present medicine (also at reduced rates) under a homocopathic floored I as robb; I be in according admirately, and in our month has year removed more than half the doubteentification (eight out of fifteen) removed by all the physician in town good, but, and indifferent. Under the present reading of the law anybody, physician or otherwise, may make return of cause of death. That may is a fuscon in good standing in the church. I could go on multiplying instances, but what is the use. You all know the constition of things in the State.

Now, what are you going to do about it ? for you ought certainly to do something. Are we not disgraced as a body in that our distin-tive title is assumed and ween by such as I have named? In it not time that we brought all the infrience to bear which is inhereat in mich a body of men as this? We are at the meror of every traveling and stationary medical fraud who shooms to settle among us, temporarily or perminently. Witness the endowner made in Norwick a year or more ago, when it was attempted to presents an itinerust. He simply claimed his intention of making that city he residence and then suspeed his fingers at the attempting prosecutor; since which time be has been traveling about the State at will. The law does not protest in each an instance. It effords the internal the very enloyered by desires. Now, is there my periodic complete or approximate for the condition of things I luve plerayed, which shall protect us as well as the community? Personally, I hold that the same graduation from a medical school, however, good, and the procession of a diploma should not eachly any man to practice medicar; but should simply allow him the right to have his qualifications presed upon by a State Examingboard, which along thould have the power to grant license to practive, but unless there were three State Founds, representing respectrivity the regular, the humanopathic, and the relactic schools, there would be difficulty in carrying out this plan, because of the invident.

Process one paper was road I have been abid the homospaths design responsibility for

impossibility of forming a working board, composed of representatives from the three schools combined. A completely satisfactory relief I cannot see a obtainable, but there are two things which, it some to me, wealth affird some degree of subspation of the present crise. First, I would have a law passed, requiring every person practicing (for the last five years at least) and intending to practice medicine and surgery in this State to register before some appropriate officer, such as town clerk, and also produce as a requisite to such registration a diploma of gradiention from some legally authorized school of medicine: then a second law hebidding any person from certifying to cause of death except such legally registered practitioner of medicine.

If these two laws can be placed on the statute books it would insectively cut off a sublimate of agreement and fraudulent "due, tors," and prevent these from imposing thermalism on a public, which, from its very sature, is not supplie of prigring rightly of the fitness of every one assuming the title. There is certainly activing incrementation which I have suggested as desirable; say I rather it is simply a benefit and protection for the public; and in this view it would seem that our lawsmakers would so consider it serve it properly brought to their notice and urged with fair and intelligent argument.

There is nothing any unitized person could object to and if representatives of the other schools could be brought to ange the property, the necessity of each legislation as I have outlined then there would be a greater chance of legislations aroung its marris, became of the agreement of all the community accepted schools in to its designability. Generalizations, will you not suitate this matter in your county recoverage, makes work my a movement for rolled which shall be followed by its analysment?

ESSAY.

DESENERATIVE DISEASE OF THE RIDNEYS-ITS CONNEC-TION WITH AND INFLUENCE UPON OTHER DISEASES.

Br Du. W. S. MUNIAR, WAVERPOWN.

I am not about to give a description nor implantal of nurbus Wighli, or the class of diseases so-called. These we can all rend at our leasure (if busine we have) in the quiet of our offices, comparing author with author, and then, poundly, being very uncertain as to what course of fivalment will be of any great benefit to our patient. But I would like to call your altention for a very few minutes in the connection which this disease (or these diseases) has with, and its influence upon, other damage; for each an influence, either as cause of the disease most on as a strong determining result in the termination of the disease, I am fully permuted extens and fine I would use procurous.

We all know that many cases of presumate years fatal when the amount of long those herebook is for too small to produce death, and in very many of these cases - I think quite a majorary of them - there is a very small quantity of urine secreted, and sometimes nearly or quite an entire suspension. In these cases come consist on early, and is quite intonse.

Same paper she advent of the lung trouble and the empression are considert, and sometimes the greenments stone to be prograining favorably for three or four days, and we are making a favorable prognosis, when, quite said feely, we And roma do princip and, on inquiry, learn that no uruse has liven passed for around hours; and, on further examination, leave that the bladder as emptr.

Possibly a few of these cases may respect to treatment, but the

vary large realectty prove rapidly final.

One poculiarity I have noticed, is that sensitimes when the kidneys coase to act, they may be stimulated into action for a few hours, when they coass entirely,

It is an interesting question whether the presuposite is caused by the rotal discoverable of whether the rotal trouble only arts as a presimposing come, and also as a very strong weight in drive mining the result. I should containly form an infarrorable prognous in any case of presuments in which I was aware of organic disease of kidneys.

Speaking with a medical friend on this subject, and concerning a patient I then had on hand, he mixed the query whether the allousiness and emity nems were not simply the effects of the congestion accompanying the presentable. As he was quite an expect with the toteroscope, I sent time a specimen of the patient's urine, and received from him the following, to wit: I find in the urine, hyadrer, granular, and fatty casts, which show that the degenerative changes in the kidneys are decidedly marked, and of considerable duration."

Such a varilies, I believe, would be rendered in a large propornon of datal cases of parametris in the aged and purhaps middle life, should a full and accurate examination be made.

I do not find a great-deal of authority bearing on the causative effect of Bright's disease in presuments.

Wilson Fex says: "Alternituria, associated with Bright's disease," is a very common range of pneumonia." He also says: "Alternituria, usually slight in amount, is a more frequent complication of pneumona than of almost any acute illumes except typhus." Also, "Its presence is indicative to a certain degree of the intensity of cause, for cases in which it accum are generally more severe in their character, and more fatal in their intensition them in which it is not found."

Hum, in a table of complications, and their influence on the mortality of ptentrouse, gives the death rate of pneumonia complicated by Bright's disease, to be fifty-six per cent.

Promitis, percarditin and performs are said by Bristowe, Niemeyer, and Flint to be sometimes the result of morbin Brights. In my own practice I have not yet been able to verify the fact, but should think it very probable.

With chronce organic stream of heart we reten find disease of kidney. Which of these diseases is the primary, and how much influence it has in producing the other, is yet an unsettled question. Perhaps the amount of continuous is on the sole of the renal being the primary disease in the majority of cases. I confess, increase, that my sorn experience would not confirm that opinion, but rather that the tardiac weakness is a strong prodisposer or producer of renal discoun-

It seems obvious that an imperfect correlation, with its accompanying defective services, must throw an increased amount of labor on to the hidrory, rendering them smable to perform the task of complete deparation, and again, in turn, throwing more work upon the lump, which on account of the defective correlation through their means, are not able to accomplish their even task, in this way still further weakening the cardiac powers; and my revolving in a circle, each organ by its select infiming the other.

It is a trail recognized fact that the kidneys in addition to their such legitimate later are often obliged in perform the work of obliger organs, as written the affact of cold is checking the instruction perspiration, when the ladneys have on an increased action, exerting temporarily sensitines a four-fold quantity of fluid, persenting in that way what is called a "cold," of or, an increased, and sensitines an inflammatory scient of the muon membrane of the sums and broach, or perhaps the inhestment

We may, therefore, expect that in almost any discuss, whether across a closests, the factors of the kidness to perform elements work, when called upon to do so, will often have a determining influence in the progress and ending of each discuss, and therefore will much modify our progressis.

I am aware that I have only just touched the subject - movely tabilities a term of the rimi - leaving the rich bound about mitourhal but if this shall arimulate athem, more able and with such larger apportunities of inconsignition to delve deeper into the subject and bring out the rum ten my work will not have been in onic, and my devices accomplished.

ESSAY,

ACUTE PNEUMONIA.

By S. D. GRIMMY, M.D. NEW HAVES.

If any apology is needed for presuming to write of a discusconcerning which works on the timery and practice of mulicine so fully treat, it is found in this fact, that purchasels is very prevalent in 1817 State and in New Haven County, which I pepreused; that it is a main'dy greatly feared by the public at large, and one to the treatment of which a physician needs to bring all the skill and ability at his command, in order that he may win the day and care his patient. Twenty-four of the one bundred and fortyone deaths, or 12,43 per cent, of all the deaths in the town of New Haven during the month of March, 1886, were from prostracers and coapelion of the lungs, and the number of cases of the disease in which recovery encord was very large; so that presented over tainly has been very prevalent in this town. There were in the State during 1884, 684 double from this disease, or 8-11 per cent. of the total number of deaths. 182 of these were in New Haves. County, Hartford County showing the next greatest number, 149. The per cent, of deaths from pasumonia in comparison with the total morality is exceeded only by the percent of deaths from consumption, 12,78 per cent, of the whole number of deaths, the total number of deaths from consumption being 1,452. The greatnot per cout, of deaths from preuments to the total number of deaths in our county was in Litchfield County, or 8-10 per cent.

Beery practitioner finds that disease in its many force as studently him in the text-books of the day and described by the lectures to whom it was his privilege to listen, does not actually correspond in every particular with the disease as it presents itself to him at the bedside. It is as the result of each experience, conjoined with the knowledge obtained from instructors and books, that I wish to present the mitpeet. I shall confine my paper to the acute form of the disease.

Acute promonta is an arute discuss characterized by suddenenset, severe februs symptoms, cough, expectoration, and dysproma, by primonery construction, with a modern abstract of all the symptoms between the fourth and tenth days.

Anatomically, 0 is characterized by inflammation of the lung tisens and by an assumulation of the product of inflammation in the alreads.

Inflammation of the longs appears to be most president in those elimites which are eliminaterized by orders and marked changes in temperature. In implied climates it is almost unknown during the hot source, and, on the other hand, it is care in the Austin regions, feeland, and similar equations where a more uniformly cold temperature is experienced through much of the year.

Programmia is very president throughout Europe below \$4" north lannade, and throughout the Middle and Southern States of our own country, as well as in the Northern States. It is more provalent in the Southern States than classifier in our Republic, constituting at turns absort an epidemic, and being very fatal among the acgross.

As recards age: procured is most provident between the ages of 20 and 40, and is quite frequent in early life below ten years. Genelong out of 6,000 cases, found that 32 per cent, were between 20 and 40, and 11 per cent, under 14 years, and 14 per cent, from 14 to 14 years. Grisolle says: "Postmonia is therefore, a disease very frequent in infinity, less common from infancy to 28 years of age, comparatively Inspent between 26 and 40, and very Inspent and also every fatal after 48." Males are oftener the endjects of the disease than femiles, and that is due understodly to the fact that men are usually more exposed to the exclusion for the weather than women. Among men those who labor out of those are the wires Imprestly attacked for the same reason. It must have some as if premiunia were more fatal, as well as more prevalent, among strong, robust men than among those of frail constitutions; but I think that often those who appear strong and robust, particularly, among the laboring classes are less able to withstand the attacks of any disease than these who apparently are more fruit because the first class have used up their strength for each day's storaged and faste nothing in reserve to full hark apon. This fact was well brought out in the late Urell War. The ware who endlined heat the fallignes of the murch and the musy bardships with illness in their train which fell to the let of the soldier, were the city sleeks, and others who had nover done hard manual labor, while the larmy handed nove of tell from the form successful much many quickly.

The exciting cause of premaonia is frequently exposure in severcold weather, or a chill after getting over heated. After a decided wonling the disease frequently supervetes. All these muses more certainly operate to occasion the disease if the patient is greatly isogood. The physician who, in winter, attends an obstatus case requiring a long and difficult instrumental delivery which brings on fangue and exhaustica, and then, after a profine perspirition, gointo the open air and rider hours averal roles in a min temperature, is a good uniques for an attack of parameter. The of our most aldo powrittenore, a man in mindle life, met his death from this very chain of circumstances a few years upy. As allows of indigestion seems at times to prohippoin to prohipmin. A severe More upon the chest or tack has also been believed to have caused the disease, and a fractured rib wornling the long has often been a cause though after this aerident generally only are late is affected. Proposity, housener, there is no apparent came and the patient wakes out of sleep with a chill, which is the healt of

The charges occurring in the barge are indicators of three stages; First, that of engargement, in which there is tellammatery began sum and orderns. The long is dark red in order, is heavier than been! less propriant, and if our oxudes a red facility liquid.

Second, red departments: Here there is no exceletion of liques suggests and blood corporate. The consist liquids cougalitie within the about and terminal broad history the congulars enclosing numerous white and a few red corporate. The long is now touch history than is the proceeding stage, and is increased in size so at to be marked by the ribs. The turne is quite solid and enths in water. The color is a reddish brown, passing into-grey.

Third, goes impartantion. This map is characterized by a continuous of the process of inflaminatory cell entegration and by cell poliferation. It is marked by an increase in the grey color, caused by the processes maked and the progressive charges in the long, section is the discusse advances the color becomes american yellowish white. It must be remembered that while any person of the lung is in the stage of red bepatization, unother may be aftermed to that of grey begatization. Hence the marbled cover

The natural and very frequent terrorisation of the horological process is in resolution, the lung gradually returning to its normal condition. This is affected by fatty degeneration and itspeciation of the inflammatory products which have occupied the alreed. The softened products are removed by absorption and to a loss extent by expectication. Instead of ending in resolution, however, the discuss may and in gauginess, abscess, and chronic premiumina.

Therally the right long in more commonly attacket, and of one attacked usually about 75 per cent, or the lower labe, is the portion of long savuivor. The commissions may extend upward and involve the spec. If both large are involved, one is usually demonst before the other. It is vice for the paratranta process to begin in two separate portions of the same long.

As regards the pathology, paraments is autoableady a general disease with a local manifestation is the longs, and is not a local disease, to which the perceit and other symptoms are supplied. The lover sensitions provides the local disease. Some eriters think that there is a specific germ which is present as in other diseases, but that is not religious.

Symptoms: Pre-dromata and lad bedrags sensetimes provide the attack, as general malales, a sense of weariness, etc.; but nonally the discuss invaries the patient sharply and soldenly. There is, as a great empority of cases, a solden chill, over marked and agree that in about any other disease, except, perhaps, been and agree.

Ultrailly, namediately also should by within a few board, pain in full in the olds corresponding to the long stracked. Plint again that the pain is generally related to a circumscribed space near the applicant the affected with, and that this formation of the pain is a point distinguishing precisions from pleasing. In the pain in the sole is regarded by many as pathogrammic of the disease. It is probably due to the convention pleasing, which always in some degree, unless with care an option, accompanies presentation. The pain is not always boarded to the safe, between T remember a purious whom I strateded several years since, and who allegrands was view [I] (object to recovered, who had no pain in his sole or lace. In fact, of the locomplement of mas because he had such

pum in his abdonies. I was throughoff the track in my diagnosis for the first twenty-four hours by this fact, and was assumished to find, the most my, that one lung was nearly solid with paramonic conductors. Ever stree then when called no see my patient complaining of pain in the abdonies, in the absence of other abdonies symptoms like diarrhea, me, I examine the lungs. The pain a mustly sharp and paramon in character, but may be a steady ache. It is the symptom which the patient initially notices result of all, and for which he seeks nowly. Accompanying the pain difficulty in builthing is experienced. The patient says that he rannot draw a long breath softwar cutting him like a kink, and the physician will notice in increase in the number of respirations per miture.

As its lover, which begins usually soon after the pain, rises, the rapidity of requiration increases, resching as high as even sirtly respirations per minute to extreme cases, and even extents to one logshed a children. Cough is namely a marked erupson, slow, slurp, and harking at less and with perhaps little expertantive for the first few home. The patient compleme of pain is the afforted side when he roughs. Somethore is some experiencies, which, glains and arraned or frothe at Lot, become practice and of a restrict from a color, the m-called mate spain of promouts. The characteristic easily apparature is assertions and seen loss. ever, used four before resolution renumeners. Sometimes the upits me tingest with vellow or bile, and this utilicates a liver complication, which is not managing to the physician. Then the nume-inject color it seen, which Plant says in due to the presence of large quantities of blood in the spate. This rater is regarded by some as due to indema of the large, and is remainful manared a righ of grey hypotimpon, but this is by no mount invahir, and may be found with red happeneries. Children under six years of age wildow experience; but Ziamora has found really color is infants now a other ventiling. Waln't thinks that profise Articipation is commonly a sign of consuming intervaluate. Within Fire when notices the same fact. Hann confirms this, but will that, with heart discord, there may be much blood experienced As resolution progresses, the earlier experiented pre-majoret and more, the appearance of broadmin spate, with sensitives Mark stement.

The pulse generally ranges from 90 to 120, but a pulse about

120 or 130 is a bul omen, except in children. The pulse, full and strong at first becomes small and fooble if the attack is series, and the pulse is frequently discretons, intermittent, and irregular. The smallness of the pulse is, in a great minima, due to loss of heart power, and incoming to Grean or Leader, partly due to the diministral amount of blood which is propelled from the left ventriels, owing to the excellusing of the right cardiac cavilles, which coulds from the dimension in the lungs."

The fever of passmonia is remissions with slight morning routisions and fixeided overing exportations. One thing is very characteristic of the discuss, viz : - the sudden rise of the temperature, the thermicroter frequently showing 105° in twelve to twenty four hours after the attack. The pyrexia market in a great majority of raise its highing point, however, on the secondof third day. The temperature, if funginally taken, will be found to be lowest from eig to man a H. It then man till early in the strening, when a second slight enscertation occurs. When the erats is teached the temperature falls very stadenly and rapidly to many cases, reaching the normal, or below, in a tow hours. In a great per cent, of cases, the crisis occurs on or about the seventh cay. Sometimes the fall is more gradual and occupying twentyfour hours or more. Belimms a sood infrequent accompanies at of the dresse, and in children pood not be regarded as a partirolarly had symptom, but in adults, unless of the mildest ergs, is of auso portent.

The time occupied in the progress of the domos, from interior ustil anothing is fully completed, any tary much. The stage of engagement may last only a few bounc. The stage of solidiffeation may continue three or four days, to longer, but often not more than Berty-eight hours. Besolution is very exceptionally completed in three or four days, but a may take avocal weeks. I should say that two weeks would be a fear average of the time of the completion of resolution: The most common termination of acute phenomena is in complete recovery, and the improvement, as has been already states, in notally quite about the avenue. In the great majority of cases this occurs about the avenue day as tas been already stated, though it may cover a little carlier. Recovery is often then quite rapid: but in detailitated subjects and particularly in people asymptoted to the too frequest use of already in people asymptoted to the too frequest use of already in subjects, it may be very alone. If death ensure, it frequently

taken place on or about the righth flay, and is in many runs may to failure of heart power. This failure of the heart is a great source of danger in all putterns. And particularly in these advanced is life. Death may also be raised by apares, and by production following the cross. Heart tailors in probably, however, the most control cause of death, and its approach is indicated by a small, intermittent, and dierolous palse, accompanied by great diagram and graness. The latter is very marked, and one who, for the had time, see the peculiar jurylish has of combinators of erdying from heart failure well never torque it. An excess or rold, channy perspiration breaks out all over the body, the mind manden, and the patient wake into a constitue condition, to which there is only one seding. Sometimes, but rarely, the disease terminutes in paragroup. When this occurs, it is assally denoted by great fator of the breath and great prostration. Absent results more commundy.

Our of the first physical eigen to be noticed in the congestive stage is a shurtness of breath, and diminished breath wousds on the effected side, and dullions on percussion. As the congretive stage develops the defluent increases, and the crepitant rale is heard, has an intribution only - the fine erackling sound which Dr. Wilhave compared to that produced by rubbing the bair of the head between the fingers. This rale is not to be outdoorded with the sub-creptual, which is a course rail, more like a bubbling sensel, When beard the conjunit rule is aimed pathogramonical the disease. Its production is probably this to partial adhering of the cell walls, and their separation during the impiratory act. Such a rale is sometimes beard in hypostatic promuonia, but a few timible inspirations will page its desappearance. When the ling is consolistated it to perfectly dull and that on pervision, and the air of incause be heard to cover the ding those affected. There may be breachtal breathing and pectorilogay. Vocal fremius is usually newsurd, though it may not be. The beginning of resolution is indicated by the respirament of enquation but instead of the five origination it is a courser, building sound. Wilson Fox mys that when resolution is very rapid; there may be no moles engeliables. 10) the complications, pleasing is one of the most commore. In fact, as has been said, pleasure to a contral extent former accompanies passamonia. In from the to fifteen per cont., howeres, of the case, pleasing of greater assent, and such offenses,

expervence. When there is great effusion it constitutes planteparameters, and is an abusent of danger to the case. If the plantitic effusion is on the side opposite to the ran affected, the danger is much greater.

Broachins frequently accompanies the disease is children and the aged: Other complications are persential, journiles and paretitis. According to Grasille, paround a very rare, and a very senses remplication, usually cooling in exponential or gaugene. We have frequently of a typhodicomposition but as I understand it this is merely an aggressation of the depression and prostration is saidly accompanying a severe type of presented and prostration that typhodicate, indicated by modificing determin, dry bingui, media on the both, site, on: This term of presented is usually falad during the second week.

Of laboral and informition) premients the time allowed for this paper will not permit no be epock.

The diagnosis of scute presmonia is tenully not differed. cannot be arrived at; however, but out doubt before the unidoness of sound daken are complete. There are some stime, remetheless, which make it seasonably swident that a promounts is importing. even below the characteristic physical algor are described. The pharmona which mo of the most diagnostic value at this earlystage of the disease are the pyroda, the siturding pulse sentimizing estio, the unit is the sale, and cough. Wilson For mys. "The radden and mand that of the bodily compensary, which usually proches he maximum in forty-right hours is very characteristic; such a rapid assumption and manuscrates of a high symposium bring main mention in promineds; perhaps, that in any other, disease." The drognosis of phonocons from other diseases a ready. inficult. In plantar, the discoverable which perhaps it is much findy to be confounded them is not as a not such a soften and rayed attreament of a legis temperature. The painting framer, loss is very inscending and secondarial with the friction murnur. When effection is established, all doubt is at as end, and if there is a large amount of liquid, there is perfect listness on permassion, ladging of the late-stal spoor, and displacement of the launt. Hypekopusususia is distinguished from acute promouds in these points: Int. There is very mostly may shall fid. The HYPER'S S HIS OF FRIEND IN the rine and in not subject to the different

variations which characterize the firty of preuments, and warse to intensity with the amount of long timus intoless. Assurcaptury beautifus a not astronom by a charp right as is possimonia, and the general febric distortance is less the fover setbring as high. There is no full remain personnel.

When I first began practice, I was often asked of long fover and presented a service the enter thing, and I appealed to Dr. Leve I as of this city, one of the inflates of the probability. In solid the question. He sold me that he called explinity be desired in large fover. When the arrests of the large are attacked, he denominates the discuss passesses, when the capillary into silves are implicated, he term the affection large fover. Passesses are implicated, he term the affection large fover. Passesses may be confounded with the consecutar rarie form of neuto-philinies, in which the whole or a large part of the large becomes rapidly consolidated. In actin philipse, he were, the apox of the large is first actacked, and the fever is more gradual in the case. The common the discuss is also much more protested.

As regards prognosis, preumonia is more fund in females than in males, some waters myring that the discuss in noselectains as fatal in females. It is a fineme which trudy to recovery in a great majority of cases, but the prognosis is full moved by many circumstances. If the patient has been in good bealth, removably strong, has a constitution not impured by any chronic minute, such as ague, or a vire as alcohollata, the prognosis is more favoralla, Besithy young children so not often die of spermonia, neither do leadily young man of treese or its vicinity, but after lifty, the discuss to very faind. As a general risks it is the complication which make the disease facal. A person with a weak hours in a has subject for the direct. Pyricinitis mercans the general the promess also say here or balant affection. Or mirriful compleme, the prim is the most expected. A great which is the while a permutately over 124 a more 148 to a rhad, and grave series. Very rapid respiration accompanying symmetric a half eggs, and will judgette who exhibit these symploms do results. Markey distribute, if probabile indeples confine makings that deeper. A high temperature of 100° is not of study a very tell eign of god but personally, but if generated with send heart and great prostration, a much a be horsel. Prior, dry and horsel troughe, porticularly of those is also discribed, one a very great group of symptoms

In similaring the treatment of proposonia, it must be home in mind that we are called to treat a general disease, and not a local affection, though at times the local trouble may make it itself so prominent as to demand particular attention. Hence, as a rule, all the depression, resessation, turner emetic enc., are use indicaned, and get when there is great desputes with a full pulse, and the parient weens to be in danger of South from sufficiation, free bleeding will often refere the distrioung symptoms. I retrember I case in which a steat, vigorous man, sofering from great this. culty of regulation, in preuponts caused by penetration of long tises by a fractured rin was at once mirrord by Iren abstraction of Blood Imer thousand. In some cases the severe local spage term are promptly about it by such treatment, and the accounty of the illione greatly modified. I know that it present acouste is not brock such in the early stages of acids presented and yet in patients of twesty or thirty years of age, with bounding pulss and a jude of high tensor, who were providedly strong and expense, I have found that deep does of the tipelars of grants real, repeated beingly matif the projects sedien and the benjamings is beened, demodify the overrity of the attack,

As a general rule, however, we are to remember that the object. of thesteron is to conduct the patient of dy through the course of the dissum to a Javorable termination. We connect abore the disuse, but we can modify the accounty of the attack, and had the paternt pass all the pittidle and some which lie is wait, but in health. In the national treatment of pursuous in, we must be gualed by the fact that we have owner evil forms at work which we must creates. One of the chief of three or cardiac failure. In a great majority of cases the bears is the organ to watch and defend most amountainly and not the large. There is danger in this direction from the cuttor, but particularly in those who are debilizated from any cause whom provides of life are weakened by account of any kind, whether alcoholic, or sexual, or by privation and music of his D should be remonitored that in the strong and robust there is a natural tendency to recovery. When called them to a posteral where we find the with passimonia, we should presented the steam. that to support the powers of life and second to quiet pain and promote the elimination of the predicts of the absence by expenteration and the estural discharges of the leady. To this sad the todient should, in the fost place, be put in hed in a well regulated

mont, and I do not believe that patients often Health cold," as the abuse is from dranging. I would rather our on the ede of giring too much air, than not enough. How often a physician is called in to first a patient iff in a close mean with all the workers alread, the air improgramed with the other of the committees from the body. ecc., and the national breathing in this success at the sate of forty times a minute. Yes, if the physician dissens a wantew spend or the room wentland, some good whereit strelains, "On dome, you will less him! He will enter cold!" If any disease demands good and alternated syntilation, certainly presuments then. To keep up the general strength, male, meat broats, and preparations of load a proposals are very co-untal. If the palse is very weak and diese tons, alsoholic stimulants are indicated and need to be given in some once quite finally. When the palm is very rapid street 12/6. alcoholic etimolasts are nealist. Male punch is on the whole the and satisfactory from in which to give alcohol though in some cases, where milt is not resultly digosted abound may to given in some other way

Tonic dones of quantite arm often very inteful as a sustaining tirasure. For the pain is the sidt and singh softing a letter as a local application than a promitting below, which is simply a jurket of minin completely regronning the chad, into which a printed rollog balling. This should be gloody fitted and several or bandaged together. When so syptist, the heat of the hody mon makes this appliance set as a positive, and gives comfort from its warrath and support to the walls of the close. If applied quite emply the parket keeps the waits of the chest quiet, throwing the bunder of respiration to the displenges and abdominal walls and aboving the mortened plems to remain at rest, becoming morning the per-Profiles of line of ment are medical beary, and manufectable things at best continually slipping down soles very candilly applied and landaged in place, bookin petting rold and necessialmg the approxime of the patient by frequent changes. The probwho care auglied our morally among to one until the crisis, for, as a general thing, it is possible to assentiate sufficiently well with the factor on, and it is easily accusary to remove it for physical fixannuation, for after the anouncesia and its easent in well respect out I do not think much it wained by too frequent vanishative. It only analys the patient. However, if necessary, the Jacket von easily by removed and re-applied. If examination exists with boayily heated tongue, a mild mercurial or a dose of caster oil can be given, but active purgation must be avoided. Opinm in some form should be given in sufficient quantity to quire pain and cough. An experiorant, such as wine of specie, or an infusion of asclepine interpose may be given if indicated, but mortate of assuments in dose of five grains, combined with declarized increase of spins or purgonic, and repeated strey three or four boars, a our of the most satisfactory maxtures which I have given to satisfy as an areadyne and stimulating expectorant. In the attending cardiac failure, the administration of alcoholic stimulants briefly is the great desideratum, coupled with the exhibition of digitalis in medicate doses. If administrated in too large doses, the circulation will be too much depressed, and this must be grantled against.

I do not believe in giring large done of quinne, twenty or thirty grains, to reduce the temperature, which practice is m vogue among the profession in Germany, and he some extent in this country. Circumstances may arise where it would be justifiable. ben I believe that there is great danger of heart werkness after such treatment. In fact, I my frankly that I am afraid of large doses of quinine in the treatment of prountsais. I would prefer to give five or ten grains and repeat in a few hours if it were absolutely necessary to reduce the temperature by quinine. But in my tensiment of passimonta I have very rarely given more than tonic does of quinine, one or two grains, repeated at short intervals. I should prefer to have the patient sponged frequently with alcohol and water if it becomes necessary to reduce the temperature, or to have him put in a warms pack. But I do not think that each a line of treatment is offen overted. If dyspairs threatens like and the pulse is good, bleeling may be madeted to: It is sometimes very servicentity, as in the case before meanously whose a fractured wh ogused presumenta. H defiritum is quote a promissat symptom, it may be necessary to give an opinic, though much may be done to quiet the patient by spenging with cost water or water with the chill removed. Distribut is usually successfully combated with chalk mixture or astringents. I am quite bool of giving a mixture of timeture expects in 3m doses, condensed with fire or ten grains of hiswath saturitysts. Online seconds are often quite effected in checking the laurebra.

Complications call for their appropriate treatment.

During contatements the great thing is to support the patient until nature will assist control. Parients are sensitives exceedingly prestraind, so much so, that death cursus from exhaustion. In most cases convaluence is quickly established. It is been to just the parient on a solid diet as soon to be assumed; will bear it. Some tenir of from or cold lives will be a salurith sid to restoring nature's weakened powers.

In the treatment of preservoirs, thus, we should support the powers of life, affects to, and stop pair if possible, endower to prevent weakenment the heart, and above all, we should watch the patient very about. I better preservoir patients should be seen over in mild cases several times daily. We count to use rigilant. The patient's condition frequently changes and dowdon alarming symptoms in an hour's time. Therefore, it is best to make too many visits rather than too few. Constant vigilance is the proved victory.

ESSAY.

THE PREVENTION OF INSANITY.

BY GISSAVER ELICY, A.M., M.D., NEW HAVES, CONSEQUENT.

The study of discuss of the mind has during the last twenty. years, communifed a constantly increasing share of the attention of the medical profession. More and better facilities for instrucfrom an this department are now offered than ever before by the various medical schools, bean antisygralitate and post-graduate. Numerous special societies, both national and local have been a comment but white at gramming the study and discussion at the various subdivisions of the subject. As a result of their infinence not only have many articles appeared in the journals of general medicine, but also a number of journals devoted storing avely to nervous and mostal diseases have helped to dissemnate the latest views of American and European specialists. And desiry, within a few yours, several monach and textshooks treating the subject systematically, have been published. Dr. E. C. Spitaka, in the preface to his manual, under date of April 16, 184X, refers to the work as allo drei epitematic brasis on imently published on this side of the Atlantic sizes the days of the immerial limbs." Dr. William A. Hammond, under date of May 1, 1883, service-. For the last occurrance years I have been a boother on the subject. of "Dismost of the soled and norzens system," and added of he first professionaling of that branch of medical scheme in this country. was bed by no."

The aproportionated say and areatment of the various forms of inmenty have been no theoretically investigated, and the conclusions reached have been remisted in according that three of in who aspire to be general productioners have no longer any exerce for continuing to neglect the subject. It is to the landy physician that incare patients are brought when they begin to flast quently—nefted before their francis suspect any serious disorder of the neight. It is of the greatest importance that the symptoms in these cases should be accreetly interpreted as conly as possible, for their will treatment prove most effective. Equally important is it, after the correct interpretation has been determined, to what an appropriate plan of treatment. The sing when uncontrollable violance was considered the most important symptom of instalty, as well as the equally dark day when the provention of houseide and attactic was regarded as the chief indication for treatment, and confinement in an asylute as the most available therapentic measure, have happing passed away.

But while it is necessary for us, as practical physicians, to be familiar with the symptoms and treatment of emanity, as emitarians we must also study its causes until prevention. Rasteriology is now the fashiculate crupe with southerness. The multy of the symptoc diseases has long complete the appearant place in four mode. It is possible that in the direction persenting medical will always show the few months. But never paramitre medical are not the unity causes of disease. These other modern agents are also deserving of expend study.

Birete/ore it has been emportary to discuss the stirting of the sterily from what may be called a psychological attemptors. It is the purpose of this paper to consider it from a physiological and pathological standpoint. Our knowledge of the worker austory and pathology of instally, though still far from complete, has been greatly advanced disting the last twenty years. It will be with along, starting with our present transledge as a basis, to comifer how the west reregional causes of instally and in distincting the combinal functions, and positiving the lexions found in the lexion of those who have died forms, and, subsequently, to attempt to point out how the injurious action of these causes may be avoided.

In the light of component knowledge a repertupe fair to assume that the mariers manufactations of sureral decision and as a microspectors open some disturbance of the notificion of the nervers structure of the construction of the construction of the construction of the construction of absention of structure disconside in server with the maries of a tention of structure disconside in server with the maries only on caseful examination with the marriage, or of changes which cannot be described after death by any authority of examination new known. The

changes which can be determined combe partly of alterations of the structure, overse, and sterounding times of the vessels: parsly of dragmentive changes of the gangionic mere ralls, and connecting fibres; partly of changes of the meninglia or apporting connecthe time of the brain; and partly of inflammoury changes in the mushranes of the beats. These palpable changes of structure as and as the charges of outrition dependent upon impulpable charges of structure, are due in a large properties of cases to changes in the circulation of the brain. These changes in the circulation, spon which so many forms of pervented natrition depend, consist more lines of an excess of blood, more times of a debinner of blood, more sum of a maply of blood of poor quality sometimes of a rapidy of blood containing initiating substances, sometimes of such a dissurbance of the circulation as interferes with the cliningtion of the wante products of cerebral activity, and sometimes of an interference with the bis-chemical changes by which the integrate of the neevone structures is restored after use.

It is obvious therefore, that in order that there may be peried mental health it is recential that at the very beginning there should be perfect nervers attracture, that subsequently the natritive processes should go in in a normal manner, and that no irritative processes should be established in any part of the Irain or its membranes.

In contributing to congenital superfection and inherent weakness of services structure the influence of Levelity stands promition. The importance is universally recognized. If a possible in partially obtain this influence in two ways: in the first place, as regards its offect upon offspring, by care in the substitut of hosbands and wives: in the second place, as regards the child been with a large stry tains, by some in regard to education and training.

As interfering with the normal number processes there may be enumerated the loss of shapp manifectual food, and excessive and depressing togetal strain, inclining care, warry, chapter, disappointment, and similar agencies. Every organ of the body requires rost, and, manuscal as during every makeful bour the brain is constantly active, the informed is resonable that sleep is constant in order that the brain may obtain its needed rest. The box of it may not be felt at ones, has early, morest or later, he who works

his beain; without giving it a untable amount of show, will natter from combral demogramment of some kind.

Of almost equal importance with use is a sufficient supply of nutritions food. Prosperal insculty is most frequently seen in half, stanced, poorly nourished women. In order to be able to perform their functions in a normal way, the acresses come importantly by previous artifact, must be supplied with an amount of acciment adequate to restore their integrity. Portangley, in our country the action of this cause is not often observed and the remerly is usually easily and queenly provided.

Of primary importance wise arecorrect halo'ss of thought. Persome who acrow themselves to to ossily irrelated, cultivate a hatel of armiable narrous action, and so predispose themselves to inentify, Constant contemplation of one's own self, particularly of ane's own intefections. Knelber school and absolute or only relative as cirapanel with another's good fortune, gradually narrows the range of teental activity, so that the mind becomes incapable of bearing the somewhat amound turnless which are skelp, at survivos, to be one inco it. Limiting one's range of thought and interest acts musmear way, and is often combined with the equally injuries bahr of consisted overbrack and weers in business, without taking time for properationed the physical forces and without possitting memental relaxation. In order to avoid the action of these occurs one must practice self-control, must cultivate breadth of interest. med keep he mind out of surrow groover, and man take may be personne of both body and mind. In this connection must also in continued the conferences offices upon the mind of idlama-Mental compution is as memory to healthful mental action as rest. A smaller absorption inflature is the suffering of long continued amounted or account of disappointments and impressant occurrenew within the range of one's personal latersers. This in the experience of the writer, has been an exceedingly trusted cause of particularly minial forms of inamity. It influences of this kind me to be ayusped, one main learn to forget disappointments. to become usely reconciled to what has already happened, and to look at the bright colo, rather than the dark eros, of both present arek funneral

There remain for discussive those cames which produce distint publishering below. Some of the cames already semismised at interfering with cerebral maintons, came also disturbances of the blood supply of the brain. Insomina and creasures maintal activity give the to are brain. Again, the cerebral terms may be subjected to the action of direct irretants contained in the blood. Of these scribing substances none does more injury than about III has made influence in the posturtion of immitty that my other countries against except breakty. It is probable that about out hereaftry together contribute more to the greatest provalence of immitty than all other causes contribute. Other irritant automates which accurately find their way into the blood, and to the brain, are abshabe, argetized type diseased Indian corn chieral, morphise, the bromides, any time trye diseased Indian corn chieral, morphise, the bromides, any time and its compounds, and tellation is.

Other crritant substances acmeticus exist is the about which have been nirrant in the holy, and Which have been allowed to accumulate in the blood on account of insufficient activity of the exceptory argume. This condition of things may be observed after justinged continuous, and in the corne of caragic diffuse arphrithe The passenge of these agreementations substances in the lived undoubtedly may exceends with other causes in producing ineasity. Similarly, the detroins, which occurs in discuss characterized by a masiderable elevation of temperature, and which some to be allied in its salars to inscenty, is believed to be due to the irritant action of blood overheated, and contaminated with the products of distinctive incommendation. This action is observed earlier, and in of a mean second character in come where the percent become have illready been subjected to the irritian action of abookol. There is also some ground for the total that sever-gen and malicia - the specific morbific agent which positives the periodical forces - are both occasionally causes of frommy.

The consideration of inampty, due to lesions of other organs than the basis, that our to various of the from, and that occurring secondarily to other measure, has been omitted, as being practically beyond reach of the sections.

Although the conclusions arrived at have no claim to the ment of normity, they are none the less important. They may be immmarized as follows:

In ander to prevent the curumence of instably it is necessary

1. To avoid the transmission of a hereditary tendency thereto,

by discounging marriage between persons of like tendencies in this direction.

II. In persons with a beredinary or acquired leadency in this direction, to counternet the tendence as far as possible.

8 By ensuring regularly an infequence amount of sleep, and a nufficient quantity and variety of maritims food.

2. By securing portration and relaxation.

2. By maintaining the action of the secretary and extremely

a. By aveiding entirely the use of alcohol and other combral

5. By cultivating ashits of self-control.

8. By encouraging objectivity rather than subjectivity of shorght, breadth, and not narrowness of mental activity.

7. By avoiding anxiety and executive residul execution.

s. By taking disappointments philosophically, forgotting then quickly, and not broading over the replement occurrences of the past, but anticipating with cheerfulness the events of the fature.

NEW HAVES, CONN., April 22, 1886.

ESSAY.

INTRACRANIAL HEMORRHAGE IN 178 MEDICO-LEGAL ASPECTS

By J. B. Lewis, S. D., or Harrows.

Of late years, legal medicus has become an limbed with the practice of the healing art in all its branchin that neither playeleman, surgeons, nor specialists can wholly awail its risins upon there, even if they would. Unfortunately, however, this fact ther not always occur to the practitioner's mind when making a diagnosis; and consequently we find that algorificant points and free quently everlooked, or not thought of all the very time when an coportunity is last affected for determining a medica-legal question which must be the opposes of an otherwise endingry same. Under such einstructures a superficial observer will assign to plausible causes, perture agruptours se conditions, while to find the true ones may domaind the best efforts of a skilled pathologist. Perlose this state of things occurs more frequently in obscure Injuries of the arrence-spinal system than in any other class of cases; but those infaries cover an exceedingly broad field of investigation, and to freat of them in tage relation to local unficine would require a much more Valuations paper than this will be. It is our purpose to finit the person against a only one form of them - namely, that which is associated with intracronial efficient of allied, or to state our subject more exactly, it is to consider combral and mentagoal lastorelegas to some of their medicologal aspects.

When due to transmitten, extravasated blood may be situated between the cranial bears and the dura mater, or in the energy of the arachneid or beneath the arachneid, or in the brain submance, or (occasionally) in the vanieticles. In annucle or sugminous offsions are poured out from diseased trustin, undependently of any violence, in each of the situations mentioned, it constitutes become an important medico legal question to determine the true same and origin of an intracronal famourlage. Our in, whether it was caused by external violent means, or by domain. When we remember the tarn that fatal extravasations may be induced by a direct blow, without leaving a visible mark on the skin or scalp; and on the other hand, when we remail the well-known fact that apoplexy from covered hemorrhage may cause a process to fall to the ground, and thereby province a formulable-looking a union of the integrments of the head or face the diagnosis (requestly becomes difficult, so far as greecal outward approximation go

In support of such views as we may advance in this paper, it is our intention in relate practical illustrative cases awardy also at which are taken from notes either of personal absorptions or of confine-legal investigation. It will be easiful to our parpose, however, to the areal correlates of one or two tenting cases of other observers. The following scrumeness will larry Einstein a could not the might lead to corre in supposes that the true boday have observers. The following scrumeness will take the true boday have observe "—M. J. a colored memor, type forty nine point, was suggested in though clothes, and while in a scooping position full form as if the had been struck by a powerful blow. Six our picked up increasible, and died in ten or below minutes. The struck sections subsect any warming.

despoy, twenty from hears ofter doubt — The rigid femporal region was widly compared by a dec in the marketeld cavary also assessment in the submarketed items, and identical the last of cordinary, and therefore the process modelly sectrade also contained cougals. The charactery beam near than from the accurate a fine from the accurate and accurate from the accurate and accurate from the accurate and accurate accur

Converse: — This was undoubtisly as apopteriform septical beneerings. The blow which areak this woman down to enth and distroyed her life was subjected not by the hard of violence, but by the spontaneous rupture of some control blow vissels and the extravalation of blood in large quantity upon the brain. The specify death was due to the commissance that the nor all a probley became involved in, and but its furnition absented by, the homorrhage. Thus the respiratory movements were seen

[&]quot;Treatise on Apoplexy, Control Hencertage, Mc., by J. & Link, M. H., p. 344.

arresed, the correlation of the blood was stroped and footh prefered. The goalispesing cause of the beauterlage was probable the workwood markition of the combine yearsh, due to Eiden v. durant, the exciting come the increased tours of the surebraiarrows produced by him and a stooping sesture."

This awaysy validate the extensive amongsal and coroleal homerhage which may seems, and quickly prove faul, in a case known to be from from any external victories.

Our purpose is next to directors the fact that a severe inpury. ed the treat charry due to such violence may be a secondary complication of corebral acmorrhages. For this purpose we wailof Dr. Longarithtica returning, the a contrat former, he a come lowing many pourly of integral." We extract only that portion hearing upon the fait above roted. A man brought to the bountal by a polysoman died in thirty-ox, hours. He was known as a drinking near, and had falles in a fit on the street; if had not been observed at hother he was introducied or not, but his breath did and small of house. He was doll, stuped, paid no attention to questions, requirations full and heavy, but not contemps, and appeared like a max under the influence of figure. Those was no scalp wound, but there was some shoot which had sound from an abusing to his face produced by the fall. The tirm, drawn by nonthern, rontained artifer present to por alorded. In a street time he revired and he arm rocked their activity delicious, and finally but to be that in he !. The next morning he become common and died that

Autoria :- their the most prominent portion of the left middle. labored the brain in the matrix time setting the dwg, was considerable effort black shoply storing the times around The blied case from a fraction of the left side of the shall which was very thin. Upon the right sold of the bealt there was homorphies within the data, or and from the linux in the lawranagainst appropriate the right widdle lobe. Uterrapording areas of the beam were involved, on the one role extraorables within, and us the other side external to, the date. The conclusion wasted was. The upsteal honorrhage most have covered the man to fall, and striking his local, the thin skull was fractured in

^{*}Charat Letter, Peterineta Hopital, Monte Longmain, M.D. Burn Method and Suppost Joseph Vol. 197, p. 901.

the seat of the blow, —the side opposite to that at the previous constral homographs:

In quite a sumber of instances in our experience have complications of the same occurred, and they always have been attended with a suction legal corpusy as to the practity of the bases Doubled differences of medical spinion farry green in some cases, and vory few if any bere been wholly free from death. The same of T. L. will be of interest in this connection. He had retired at night in his usual health. He assure from hed about four oblock. the next months; to interest in our emproud, and in going to the wash-and he felt, withing the top of his head with sonsiderable fowe against a dury easing. In his full he averjuned the wash-stand, together with its murble slab pitcher, and basin, which came down upon him. His wife immediately agonny from the lock and found him lying mensible and apparently libror. A physician was quickly summened and was at his side in a few minutes. He was found to be perfectly unconscious; benthing inhered, but not electorous; pulse rather slow and weak; maple sonywhat contractes and insensible to light. He remained anconsecons about three-quarters of an lictur, and then complained of headache, mostly felt in the top and front of head. After an hour or two he relayed into a partially constone state and continued to till evening, when he become more twely and concerns. He was indrever, restless, and would wanter off into subjects foreign to questions saked him, though he would answer as to pain and some ness of head. He recognised these amount him. Daining the limit thenry bore horse be comited from or five times. After a dir or the he became more stapped and inclined to heavy alrege but could he aproped, and sould compose of pain in the local when awake. He continues in the state during the day-time for several days, but had neither nights. Virishmily by became more and more insensible till death, which cornered on the fourteenth day after his fall. During the last two or time stays he was wholly monnectons. There was paralress of the right side of the body, and on the second day. prior to dealth a became necessary to me a catheter. At other times during his illness he passed his tiring voluntarily or involuntimbs. Until the last four or the dark he pulse rate was from hits - rights, storing those than it formand in frequency up to are bushed and on and one hundred and recony.

Autopor / On temeral of scalp there was found a sunguineous inflitration of about four inches in diameter over posterior vertex of skell, also so extravasation of blood anterioriy in right temporal muscle. Na evidence of injury to the bons. On removing calearum and dark make there was found a very dark versus bus of the whole posterior and middle surface of brain; also a few small spots of brouph-like material adhoring to its exterior, and situated close to median line of left eds. Longundous sinus was gerged with dark, elected blood; humispheres of huma were slightly adhorout to each other. A stor of black blood and broken-down brain tissue was found situated immediately beneath and contiguous with surface of brain, in bult himmsphere, near median line, and lying rather, posteriorly to center. This clot was about the size of a hea's eggt. and clotted blood could be soon-dropping down between controllitions in its neighborhood. In the right beautiphers, just opposite before monitioned rist, was another of smaller size, also intuited in the superficial curtical substance. Another, still smaller in size, was found in cortical substance of middle-lobe of right sale, about on a lovel with top of ear. Those were dark gramous clots, containing broken-down tenin there like the first mentioned. The brain was sliced carefully, but nothing noteworthy found in its substance. On cutting through tenseryum conshells there was an unusual amount of somes flow, apparently enting from lase of brain. The large ameries appeared to be perfectly healthr. No examination was undo of new other portion of the body,

It was believed by his medical attendant that in falling he eaught hold of the washestand and pulled a over on him; that in striking his head against the door casement, in his full, is produced coassistion of brain with insensibility; and that the cerebral homorthages were caused by the same blow. A different conclusion a marked by sensidering the case to be more like the preceding our. An apopiotic screttral assorrhage causes the fall, and striking his bead against the door caused the extravasation of blood externer to the shall. It is probable also, that the Mow on the head metained in falling produced concessor of the tenin; and a stage of managements may reasonably be attributed to such origin. In that your there would be a lifending of the cause of insensibility first, the aportertic solution due to ceredical homogeriage, and second, the concuston caused by the blow. We believe that such a mixed condition frequently happens."

Had the butteries of the friegoing rases been obserue, or had they been extended by suspicious circumstances of time and plant of occurrence, it will readily be seen that questions having a very important medicologial bearing would have amon. Not only these impriries which have to do with the guilt or innocence of an moused person are involved in some of this nature, but, of Leayears repecially, they are freeed more the medical examiner tocause of claims, or of civil actions at law, brought to record furnages against some corporation for alleged negligance, or for indemnity under a poincy of accident insurance. It is no longer only a question of shirms at homes/s it but much more frequently. one of disease or accident? Numerous cases of centical latter rings, wherein the latter question has been pured, have cone, directly or indirectly, under our personal examination and investgation. The same question comes home to every practitioner of medicine in instances where the one or the other cause of the temorrhage is to determine the payment of considerable sums of mesoy. It thus resolves stelf into a motter of medical diagnosis. The points involved may best be illustrated by settal cases.

C. F. G. C. a short, tholosot man, forty four years of age and weighing nearly two hundred possible on being artified that his foundry building was on fire, larried on fact to the place and activaly engaged in trying to save his property. It was a cell December evening and is going about the turning building bwided in freezing water ankle deep, and yaised through a way dense, sufficienting smoke. Soon afterwards he fell, in an insensithe condition, upon the key ground. With bed fillle delay he was removed to a place of safety, and a medical man summand. The physician found him apophetic meanstron, besething bravily and with difficulty. Warm applications were placed about the limbs. which were very cold and wet, and an attempt was made to

[&]quot;Procest Block mays, "Great continue is accoming in order to award, if posible, rating up cases of apoplery with those of irramate effects. An accident consisting with an externative of blend two the persint substance does not necessarily imply earns and effect. The inventors combtion of the brain, or the outpending of klood from discussed words, may is fact here been the come of the resident. There is no death that many a case reported as one of transmitte officient of blood in the books was simply a case of apopticay." Holman Surgery, vol. 2, p. 501.

administer a stimulant. He vomited two or three times. On being taken bome be was bled from the arm very freely." His breathing became storterous; he was profoundly comatons; and vanouestion again was removed to, to the extent of "thirty or brig ourse altogether. He gradually suck, and died only the most anreung.

Among forey-right hours after death; - No visible marks of violatice were seen upon any part of the body. With the exception of some congresion of both lungs, the threacie and abdominal organs were in a persual condition. On examination of the tents there were found a boost slot of some two or three cursons in tho hast

Upon the faregoing history and incomplete attripes, an action was torought to recover the principal sum instred on a policy which was benifed in as fintchity so as to cover only such deaths as should be occasioned usely by health injuries, effected through external and violent means, independently of any disease coutributing to the production of the moury or boson. In its medicalogal aspects the case engreeted a solution of the following questions - 1. Was the coroleal bosocratage caused solely by external violence or freez ; and if it was, in what manner is the application of such violence to be explained considered; with the admitted facin? J. Was the homorrhage due to a dressed state of the carebral residence a predisposing cause, and to mental excitement and physical over-exertion as an exciting cause? 3, Could the several factors combined - mental excutement physical overexertion or fatters, and chilling the extremities by westing his first in surgester ... have effected the bencerhaps, had there been to pre-exiting morbid changes in the tissue? After a careful inquiry into all the important facts, our conclusions were that to the first interrogatory the analyse should be. No. To the second that while there - no positive proof of such disease, yet perempliyely it exists; and with that qualification the answer about by Fo. To the third we answer, No, for the reason that increased blood tention also reald not reprine result which had but nothing of their natural colonica, and sees imbedded in surrounding those which had nothingent in charge whether in considerate, Ope afries to the defendant conpany was in sword with these AFRACETS.

The theory is support of phinted's claim, as no new infremed,

was inhimitally that the fall of C. upon the ice was occasioned by having his feet secidentally slip from ander him, without be sustained the force of the fall or blow while in a sitting posture; and that thandy a jarning vibration was indirectly transmitted to the fram, which produced at the same time both concretion of the brain and vascular repture. The immediate inscatibility was accounted for he the shock of commission; and the come followed by death, was but the natural result of the cerebral becomings. This theory was unsupported by fact. The grideace of plaintiff's witness, as supramed by affiducit in support of claim, showed that C. wfoll on his right side to the ground." Witness was about ten feet beliefe him; went to him as soon as he fell; took a position of a eight from his mouth; he appeared to be insemible; he beauthed very leavily." This epidence is a description of meanwhiley due to excelent apoplexy, rather than to concussion; while a fall such as described could not, in any resourable probability, produce an indirect vibratory jar sufficient to cause so produced a loss of consciousness. Nor could it, in like manner, have produced rupture of combral blood-vessels that were perfectly free from dissale. Were such grave roulds possible from such tryral causes. few brains would excape trainingly flemorrhage.

On the other hand, there were conditions present to favor the occurrence of constral hemorrhage from diseased vessels by produring an increase of arterial tension, vis., emotional excitement. with its effect upon the frequency of cardiac action; physical overexertion or fatigue, with its depressing influences; and second extremities, inducing contraction in the ratineous arteries. His age and plothers haby, each being as important prolimposing cause, were properly taken into consideration, in connection with the other facts, as being conductive to hemorrhage. Even though the autopsy, as conducted, had failed to exhibit an abnormal condition of the ceretest vessels, still there is sufficient in the disclosunes which were noted to point out its probable existence. As a matter of Inci, the reported examination of the brain ceased upon finding, though out very definitely, the heality of the hemorrhaps and the proximate cause of doub. The equillary vessels were set minusely examined. Neither were the kolneys examined except. in one. Taking the cone as a whole, therefore, in our spinion there was a strong probability that the carolical blood-vessols were discared, and that, as above stated, the answer to interrogatory No.

2 should be given affirmatively. The may was prepared for trial, but an amicable compromise adjustment caused the suit to be disconlinued.

As a rule, it generally will held good that sanguineous effusions. into the combinal substance and into the restrictes are questioner, that is, there are sumplier reptures couled by an increased tension of unwould suddivise. We may include such exciting causes of under preserv upon the arteral walls as the following: vic. mental excitement or puscitor; the plethons which results from over-indulgence in food or drink; physical effort, as in overlifting or straining at stool, being suddenly stilled, as in taking a cold bath; the constriction of tight slothing about the mosk or atdomen) and hypotrophy of the left coatricle of the least, When the extravalations are meninged only, and are found other between the hone and the dum mater, or in the entity of the arichness, they are commonly tracesses, especially when accompanied by marks of external violence, or of contracts of the been saledance. If these esexisting signs are not found, such extravautions-that in the aradmoid especially-should lead to a close stiting of the history of any given case, particularly in an alleged femicidal assundt. A fatal interaractured beautifuse may follow a blow upon the head, without an accompanying fracture or brane, but prodippining cause to the offerior sometimes exist.

Transmitic extravasacious of blood are found once frequently in the araclassid than elsewhere within the skull. Our memoranda of cases of intracranial honocritages show numerous instances of such extravasations. B. E. O., aged eighteen years, was thrown violently tackward, striking his best upon a grants block. He was immediately unconscious, but could be aroused to some extent. No paralysis: pupils normal. On examination, found there was a depossed fracture of occipital bone and a scale wound three inches long. At the expiration of six days he

[&]quot;Spraking of such predisposition, Propost Result says be his met with extravanations in the new urk of tiesas farming the cavity of the arachecist. "in cases where there has been great anxiety of mind, in poleoning of return, in drunkants, in municial patients, and in and people, in whose these effusions depend, oftentimes upon the attentuation deposit in the arieries of the brain and its membranes." Estray, of Blood in the Cavity of the Arach., Mrd. Chir. Trans., vol. 58, p. 41.

tocame partially conscious, and complained of pain over right car. Dust on the eighth day after containing the eighty.

Antique aboved fracture from inciden line extending along lambdiction attrace into and involving petrons portion of temporal home large elect three instant by one-eighth of an inon, along fracture, fraction of stars mater and in the anadmost. No pure to emportion to sign of inflammation could be detected upon sample instant by inferences.

Another frequent locality of fraumatic meningral homorrhage is between the skull and the dara mater. In such cases the escape of bood is commonly due to rupture of an artery in semious of the groom for blood reads which manife over the interior laboral surface of the cranial bones. A simple Imeters of the early, of which there may be no extenor eridence, may produce extendite and fidal extravasation, where it is volves the line of either of the guisces for the mesingual arterial beauches. Within our experiexce, cases have occurred whom a post-mostera finding of such fracture was the first thing to indicate that a blow apon the head had been sumained. W. H., a common laborer, aged about forty. years, was struck be a fulling plant which, according to his own statement and that of eye witnesses, his his back near the left side, and fulfed him to the ground. It was believed that his head contained no diven violence, citier from the plank or is his falling down. He complained only of pain in his back and left afroliber, upon which regions were to be som slight braisec. There were no control marks whosever of injury to the heat. Slight symptoms of shock were inmediately manifest, and his moul seemed somewhat confused. With a little assistance he walked to a carriage. and was taken loose, riding about one mile and our spright as the way. One builty he become accompanies the right and paralysed. sentoness breathing tallowed, and notified to a complour contitue. the most moraling, about fifteen hours after the aesident-

Antique treire increation data — A interdement manufacture and accounted which extended from the extended which extended from the extended which the extended from the extended from the first the first extended from the first the temperation of the mobile mentioned artery, and counting a repture of one of these mode. A therefore, was found by three mobile, and move than one inch to the drawn, was found a thin locality.

Another case to point in that of A. H., thirte-ment your of

age, who was discovered lying at the foot of a thight of stairs in an instense condition. No one had seen him fall. He was a temperate, healthy man, but for about a year had been subject to attacks of situations. There were no visible marks of talinty upon his person. He never recovered consciousess but diet constore in about twelve-hours. An antopsy revealed fracture of the shook, with repture of the right middle meningral arrory, and a large blood dot pressing upon the dura under. There was no docume of vessels at the base of the brain. The conclusion reached was that he had fallen down the stairway, either avoidentally or in consupremot of an attack of vertigo and striking on his head, had andmired the Tracture

We will mention one other case dinamine of this class of injuries. W. S. L., who had been sitting by the side of a bad whereon his wife, an invalid, was lying our syming, arose and walked across the morn, when he tripped and fell, sarking his head, in the region of his right eac, upon a corner of the murble top of a bureau. He get up immediately, reliable his tradpenseked that it hart him, are his supper, stanged in suppressuran with his family, then, complaining of heidache, retiral to bed and apparently went to steep. In the early marange his stupor attracted the attention of his wife's name, who sent for the family physician. On arrival at the bedeine, about more revisely a. H. Mai duetor found the min "quite dead; the head, face, and book quite dark and blie."

Judgey was held about firty-eight harm after much " - The dependent portions of the budy were discotored by worous strain; finger nails and loth ears very sinely, the right ear more se than the left. There was no external mark of violence windower, except, upon the anniels of the right our, just where it loose the head, there was a trivial alreasion of recent origin, and of the rase of an much cool. The pupils more of the same apparent size and no other busines sorthly of note was found. Upon incising the scalp was found to be very think, and the accollent sursen, right side, discolored with summanted blood. No other almostial appearance was promised stall after catting though the asperticial layer of the right temporal muscle, when the deep layor was found to be infiltrated with 1600d throughout its whole extent. In contral filters were laterated, and the whole insures cen-

^{*} Social coday, by Dy. O. F. Konn.

sented a dark, shocolate appearance. After carefully removing this manner, a fracture of the temporal locus was murcoured in its agramons expansion, just above and tahmil the care. On remaining the calvarrain, a large clot of blood, nearly half a pint in quantity, was brand. The line of fracture extended along one of the lower grooves or beniches of the middle meninged artery, and suptored a branch of that vessel,

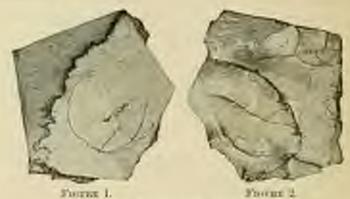


Fig. 1 - Experies view, mental sixe-Fig. 2.- Invertor view of fractions.

To will be observed that there is a storage fracture contained within an againsty distinct virtular florage. The specific of bone beened by one of the angular points of fearture was the cause of wounding the artery

It is a common occurrence that persons are found dead, or lying at the point of death, under circumstances requiring an investigation be the occurre. At the inquest it may appear that nearly or quite all the evidence attainship, to determine whether don't was due to extenand visiones or to disease, is that which has been derived from and haved upon a post-mortern examination of the body. When each an examination reveals an intracratial blood-clot, sufficient of itself to cames death, but baring no oscinsting signs either of violence or of disease, the medical jurist will be able 46 render no posttyrely exproceed speaks. But it was solders happen that there is no pathological or rates become to give an indication one way of the other. There is always the localisation of the elet, the significance of which has been considered in a preceding paragraph. These points,

weather with the posture and present appearance of the body when found, will and more fally in arriving at a manuscial contine. Then, of these should be made known commands in the averaged person's tables or physical condition such additional facts may about in depoint so opinion-

We was mister the hormonic case in intertrations-J. E. W.; aged thirty eight years, when last own alive, early one coming started on horseles/y by home to the regularity of the city. His dead body and discovered lying his the regulate, just before motnight and his horse was graning near by. A surpose was early of the phase, and in orthogos believe the corners; that the that the holy was bring on its bile side, with the left arm a bedy andersonit. He sekhoolie had been shad more time. Knashed to see if he had contained an injury: there was no extractly approximated one. except a newtife on the left side of the leaderst, such as might have been problemed by a fail in the small, which was above up inchthen where the budy lay. Times was an appropriate of any meanple or motion whenever. The regions into a lie has in the unst was perfect. An entropy was made the peat memory. The this race and abandonal turses were all it a healthy and normal condalor everytor telleren - The bigder was much femining water unner it remaining about those your. The preside good was enlarged and upon the surface of the left letting was a small eyel cuttaining a Mark, gristinam athetave. Which the not communeate with the petra; the induces were at monal one and when attenually, and open author the boost was boothly except been and there some slight changes, such as might follow a couponies. No mirror ple examination of linear was made. The train was sort eram soil. In the possesser part of the right condeum, and commonwing with and company the passence owns of the right lateral source is, was a recently formed blood-slot, about the size of a large sea. With this exception the brain those, its more trans moves, and arterior appeared to be buildy. You william entral may as a result of his occurrences of the body, in his spinany other threshelds did not demonstrate a transmitte origin become question and due it as the contain as indicate or aliquidity on go. The connect payons may policy. It found that the man " deal from injuries menalized by a fall from his Arms."

It was at this maps of the same than It earns into our hands me-

investigation. After full impury into the facts, our condenses. were that the man dropped libbon into the position in which he was found. The location and size of the shif, we think indicate that. The close and have formed quickly, for one sould not have long smough for a gloss formatties of so large a citie in that he wide, The approximate of the body, as it has use the small, indiscuss that he supped not oven a diagon after he half. The world wearshow the lass was warred by the stiding motion of the discourthe greats. of sand as he signed the ground, and is of no farther supprince in the case. There was no external brains, an autocounting in the tions quality the shall, nothing who way to show endrace to the head. Within the crutium there was no appearance of acutoning no laceration, no meningral extravarances. There was the bloodclot in the lines substance, as above described, - wally this and arching more." It was learned that the tone is reds that must was a quiet, docile animal by owned, and was a suscensi to ride He was too experienced a horseman to be unusted by a much There was no remonable way to explain the manner of his leaving the home except by he having been for this drauged from the sabile or by he folling insensibly thansloom. There was no onslence of an airmalt, either by marks on his payon or by traces in the sind. The facts appeared to its as pointing almost conclusively to a spontaneous cerebral nemourlage when escool later to coll out of the stolle and fall that to the ground. Not is the report of sistipay who ly detoid of pathological infinence. There probable was kaling almost which was not recognized; there was predicted priention of surise, with a distanced condition of the hadder and in the ballow of the case there are the additional fact the ho had west a somethal combini due, though he was not beloved inhere been actually attended. The only possible was to which we can comprehend the somermore of a fell force the saddle poor to the lognerings is that he car have been salesy, and while to that state have fallen and parted the bests, the estimate or established being already to a pathological condition prologically them to suptam.

feetend of Judge found food, or eyes in a wholly unconsident state, or more the personing cases we have related, it may bequartly hapone that the persons who have been arrived there in the street by a spottereste worked afficien bays have bond in a dans) or sandowns made in. Under each ricemetance they

sometimes rather this causes of their trouble to an accidental fall, or to a standard against an obstruction, or to a Now at the hands of an ausilias. We have known used and amendants to accupe such statement is being a second with the emptons even when their putients have their find what might be regarded as premonitory. signs of an impositing appalacits attacks. Ontolog details, we will mention, in timutation, the case of J. C., agest lifty-six years, who was found in a histothing posture on the sidewalk, which was key and aliquity, and was lessing against a telegraph post. He was taken home. there was paralyon of one side; make of falling saying to "book a weak spec" and fell against the post, He smalled complemed of pain in his head, gradually passed into a sometime condition, and died about forty-right been after the fall, of compression produced by a corolled blood-clot. The case of E. R., aged herr-nine years, a similar. He fell to the ground and was found fring the on; was assisted to a sitting posture, used that when he came to the spot where he fell, he while a discusses in his level and hed to stood a short nine." The hill produced a sight contrator on the back of his head. Paralysis of left oils bosons strongly marked, and be suffered pain in his book. For your three weeks show was little charge in his symptoms. he then because commons, and shad on the eventy righth starafter his fall of compounds due to central importuge. In each of them cases easier for pecuniary informity unior against points were presentally argod on the allegation that the deaths were council addy by transmitte feyerless. Dr. Dreper mentions a case of this nation, that many index his involvement in an unriseal. common " - U aged Wirty three years, was found by no no the visible of a street having an eight reputation. He would only give a confused account of his acts, he said "Jaimey Marray streets me. He compound of pair in his sale and trust making reproduct although to the latter pass. His otherwise led to a supplement essali. Beath overrest about thirty-four boson after he are found in the street. Post-markers expenses on discloses for traces of the slinged leating. In the limin schemes we found two elem, and resubted homerhaps was the certified course of death. In his able summers thereon, Dr. Draper apily estrucks. "Cases

^{*}Bindratus Pares, Mod. Examiner: F. W. Desper, M.D. Trond, Man. Mod. Lot. Sci., vol. L. p. 55

of this kind offer the opportunity he the application of formie makeline in its Angles Survivas, they downed patient femalities. son as indicant judgeous follopse canton, colliges seeds for truth, policions nationals. Upon the sneare to the species. in trade increase. "What gained this parent's shade?" beyond too. only individual interests, but in the boundest write the conservahen of public morality and the presention of justice.

In tentinging the Vinners pathorogical stratitions that may be provent in case of currient bemorrhage, when the hongoing que tion. - What carried this person's doubt?" was the subject of me query, we have in the preceding paragraphs entired alterning to classes rotal disease, to hyperintply of the left ventricle of the burt, and in department of larges in the situate arteries of the brain, as being points of more than ordinary significance. But he querily have we found surgaments efficient travable to one or in all of these excess, in cases whose the origin was supposed to be Immunic, that no laye been led to believe there is a much larger such of these than mortnary statistics indicate. It illustries nonbe reconside in to be urge upon every one, when making a medicalogal nations, to dissect, and microscopically examine if mad be, the subsite material of corported times, in order this the sould changes may be multipolately recognized and proven, or negatively change to be glower.

It is not our purpose to discuss—on the contrary, we would and all somethed point which has been eased in some tion was the authorizer of such cases. In lieu of that, we would rappost that the hading facts to be burne in mind or a unirroscope. warele to determine whether a cerebral efforcing to of spontaments or of transactic origin, are those: - 1, Alternal physics of the arterial process of the lipsus are almost always pre-cit in case to continuous efficient into its substance. C. A matter mercard

[&]quot;Of the mortist changes in the walls of combant course, in he die new Broghest is that described by Chernel and Bendant as being within account rises. The sest of those entary dehiations is upon its arterioles and they quality are with to the quality eye. They we smallest by Soc shard as looking. " Like small globafor partiales merchy is disposer him recorded a affindent on nitrace, and weather the affine more attached to a recent which is visible to the eatent eye. a simple limit at least orfless to distinguish it charts; the diamout of the tend out part from a tired to a limit of a millimater, for a featile of a millimate,

atterial tensor, from whatsower cause, in thely in rupture the valuable willis when they are a word. It Hypotrophy at the her venerals of the heart may profite increased pressure." A. Grander aggregation of the hidness a industriely stacked with the hypertrophy search and also with cerebral and other beneorringes. Whether In pertrophy of the left wettricle is secondary or primary, or its relation to contracted kidney, is manaferial in our posent matter-legal inquiry. It is sufficient to know that they mexic frequently: but as we have be polybon stated; if is not profeable that these conditions, of the control, early produce a rupture of perfectly-nound send-ral visude. When, however, the capillary, would been become morned, either though the brought of million ansurans or by buty degeneration, to have become more susceptible to the force of the pulsa-wave because of athrenua of the larger vessels; then the increased traction produced by hyperceptly of the left westrick is unquintously sufficient to cause Vanctilar rupture.

The color of three apentions writes according to the state of the blood which they central, and the tracities of more with. When the wall is this, the ateration had a more or less step material rate of the contained Mand is exped; if, on the consumy, the blood has been long congruent. and is sire-sty transfermed, into futry princips and accountable. He was a rion is multich-largers, octoby, or oven blackbish." Philology of resolved Municiplene, Charles Bouckard, Incomes by T. J. Machigus, p. 77. The other diseased conditions of the arterial sensits of the brain which are associated with introduced homorrhouse and time disponenties and scherient.

* Not those from of large-targety which follow monotons in the modise rightly, our three much are developed to villadar minute on included nealth successor.

I This not stated fact employed to remain a serie than a passing weather. feeliness says. - Perlaps, partly in consequence of the size of the arres-HA. WHICK A PORCE FROM Chemies produced, and partly in motions of the deficiency of fileta in the Word, there is a marked honorrhagic tendency in continued tues of grantly deposition. Birelly, from the new often happens, and numerines proceeds to an alternary extent. This Program scales; secure is community with cities of the other forms of real disease. The most disadman way in braich the terrambage dispositive shows lined is by experience with the shall." Flethelog may Footback of Advances and William R. Dellers M.D. p. 122.

The reference of alternam is supposed to be exceed enlineaby, that is, he madering the logger attention more made, and manufact absorbing the Month to muck the antations without bridge the force of the desert impoles malified as it would otherwise be by accountly shallo walls.

An almost repeal two in Contration of the niews here always of carri under our official investigation. We were advess that H. J. R., aged ristly yours, by allieting upon some less had believe upon his back, and thursby numined or injury of the head, as besided with almost uncontrollable poss-bleeding; and that after an apparent reprovement, with progress toward recovery, grave less a symptoms appropriated, and its gradually incums constons and field, on the forty-fourth day subsequent to the fall of transmitte injuries enstanced by the accident. A more complete kinters of the case informed up that the spongue commenced two litters after the axident, and was not wholly arrested by phagons until after the layer of actival forms. He had had provious to the fall impress it. Vising some Vertige, and spanned the more kasef the culter of the egs. The medical attendant, at the time of his architect tall, found allogrammes as on with a specific gravity of 1819. He had membrani attacks of variiting, but apparently improved gradually in health, in that he become able to go out of doors multiculat, and was able to me his pen in writing, up to adout the twentyeighth no after the fall. Symptons of brain transle they became manifest, with 40 at first noticed, some difficulty in pressureing the label billion. Later on he became exched, talked mediencilly, and gradually early tobe a state of some in which be died.

A object about eight been after death - On novering embr-Insection ration, one blosting releases ones, units our salural answer. These were no signs of conjection over the compital boso On recoving the culturation the dura meter our found to be seen what addressed to the skull, and the yours were undorately injected There was some muons offended under the analyzed all over the and noted the book. Committee hypotoxic of the position are free of the condulbus was observed. On removing the secondahis mitter congestion for expressation was found as the time. surface of the shall or in the numbers of The lastice and other arearise of the base surpe found to be markenly attargementons. An the brain was client, and the interest ventracing brought into view. they were early found to contain about half an orner of severa Build. Bermath the footest the left contracts was found a blood sket teratering at least half an inch in annuality the contor being free and the surface to hand a ratified. The organizing beautishmans: letter page and members by the bond. No other homerhaps policion discornal. The opining the florage the large wire of

aminot and found to be beauty in color and emptint all own. The leart was hypertroplost the left centricle wall was three-heartles of so untle thick, the mitral valve was thickened, eight neutrale the hypertraphical principal and container value normal. In the abdresses the liver and subset, were found to be normal; the right kidney small and granular, for cannot adherent but sould be peeled. in senical portion arophist. The left kidney was small, but larger than the right, and are need the same characteristics.

Community - What caused that person's death? Assuming that the immediate range was the one alleged, -- it is, the blood-clift in the brain ... It is proper to legaline erect. Was this elect of these mate angle and formed at the time of the fall or his back of mela before a lin the light of the fasters of the role and of the antique, it seron to in closed to ank the question; and will it was affirmatively emissional, and in a most populated and stressors manner. Der concludion were: - Find, that the came of this man's death was granular disease of the kalings. In consequence of amount potenting, or possible of the tendent clot, the faint condillow of some extend. His disconstant two of a combine stording, although his agreetoms had not been an marked as to require how to usek medical aid poles to the attack of new-bleeding. He thus, however, spoke of invited both attenues of whiter, tendence in cortigo, unitendy gail, and becalled compa; which symposis, taking how assemit with his ugs, and the first that his owner was of how specific gravity, containing allowing and probably other mapleslogical elements, prouted to a chronic killing distant. I want the reported was not immediate, as a world have been if a link due to external violence. The offset of so produce a blending would be to militar the arterial tension, and thereby present the formation of a bloodylat. Think there had have so paralysis from any mane, until none four or five words after the fail and it would that compositions late date that the brate symptoms because marked. It was then, in all reasonable probability, that the clot was formed, and it was then necessarily, a purely specianeous effected, poured out from the ruptured walls of dragant arterious. We condend tailmens of an unusual pressure by the hypercrophisal belt contracts of the heart, and the low of power to modify the impoles of the larger cerebral vessels because of their atherematous condition. were quite sufficient to come the botton. As soon as the synomhad recaperated from the profuse usual bountrings, then the arterial terries became grower; and a was then, and not till then, that the clot was forward.

Constraint of more of about into the australia is of him frequent reconstruct that into the beats substance. We have an intendinate with it, however, under the same ground conditions. It A_n aged Servyerem years, foll more the ablorable in front of his residence. No important communitional symptoms followed as a result of the fall. Six days afterward by because subbridy arrows since, and deal in about six town. It was alleged that he willed of the fall.

Arrys, numbers from after death, disclosed no starts of vadence extense to the scall. Brain substance and manager normal. Left vestricle occupied by a large blood-cor. Combision worked was that there was no consection between the acctental fail of a week before and the natural distall.

in conclusion, we would mention one other medical and further of constral housewhage. The condition of an intoxicated parenso alone by strendal/a that of combral compression and of contrals as that it is constitute a facility for gaine the a ference follows the pro-cutor. Especially a thin soffculty increased when an other beyone a dreates true has motioned a bless upon for heal by an accidental tall or while organged or lighting; or at the basels of an officer making an arnot. Mobor-legal quallogs closed naturally suggest themselves, of the time, to the motical scamour, under such riremakiness. Even when there is no perceptible abriladic oder in the breath, and no bistory of the case to indicate miscination, serious mostakes in diagnosis here been smale to medical near. It is not singular, then, that a police officer on deding a man who has been replaced incomible by compression. should used him to the statics how for the night as a friend drank." Such fatal minakos ought not to seems, and such art if mentional faces required all drowns pursons to be taken to a planwhere the low home required to reveal the true nature of the soon could pure without from to the reality and whose he could be under medical observation. In other words, a hospital word should reviewall such persons. The following case, which came under our investigation, is one where an unfortunate mistake of this nort was made. H. W. R. who had been away from home strived by rateray after ten without it we and stantal at were to walk to be residence, which was incated covered blocks shifted

from the rathesy sentise. At one o'clock at it he was found by a private matchinan, about talf a mysam from his house, in a halfmeliting posture upon anna door-steps, in an inconsertant confessor. The watchman, finding that he could not among him from fleep, and supposing him to be drank took him to the police station, where he remained without any further ours until about its o'clock that morning, when, above examination, it was found that he had entained a penetraling fracture of the cranium by a polol tool. He died the same due. He had always been a temperate man and an estimable cition.

The mystery of the shooting was never this cleaned away; but it probably occurred about stores while k that leggle, in an after whose his investing eached was found. If it then and there took place, two hours passed before he was found by the matchings at a considerable distance from whem the shorting occurred. Our explanation of the infinit when shot he was innerlimite reado-if usospeins by common of the busin, and by he that conficienuntil the first stage of concustion had a seed, when he partially regained his senses. He thru, is a decod condition, regard for home and the combinal temorrhage, which had been arrested by the effects of concusion were the vascular system of the brain. became more attendant, and he not or standard down upon the super where he was seen after found, laboring mater the commending stugo of compression. His forced walk to the police station, and the disposition there make of him helore his resident. officer was known, farmed the increase of extraversed blood and builled constone

Many of the semi-upone was present that often into the money. of the might point face a more of Sen Word; world spilloon liquid in their ciothing, which profess it somewhat different in december whether there is the segmenter in their breath or not. In dealth) case, the emaning surprise should about hed the string for almhol.

ESSAY.

ON A PEW OF THE CAUSES AND THE TREATMENT OF SUMMER COMPLAINTS IN CHILDREN.

By Da. H. & Dana - Sorm Corrector.

The physician should ever be an ready to give information on the subject of Aygian, to in regard to ecoded the equation that most. Eggeneity should be take great pains to point out the ways and means of proceeding duesies, and or he don this, he can the large a very important duty by reminding those who laws has rare of children, that the pountly had effects of the "heats of sumper." in coloring inholised discusse can be at least as --sometic personal by proper management, especially, that proper almortation and sociable clothing, re-soubly and properly used, are independently to the health of children, that - effects sorted from 18th inside the influence of heat," are exenting causes of our ner complaints; that cloudiness leads softens and out of dozes, tends to provent introduct diseases as well as many others. These remarks may not be desired superfusion when it is remarklessed, that although there call resource our often tehm to prevent or militario contragione diseases, comparatively both effect is generally such to person other design spalls means.

I would have only especial attention to the of the principal and and of these completes, via. Subten ranges of augmentation component, and the way as food for hard-feet inland, of soft which has been noting exposed to the not. While a may not be present to for my to advance any time-partitioning to their common range, it may remitly do some good to invite removal attention to them. The first appropriate regard on proper transportation fractions by metal/r contains and proper transportation. A million that are from a while to a warm attemption is very agit to

union thereo but during the lot mann the agreement officer of improper exposure to zook dump air have second to be more truesach. For instance in the creating of a last day, I saw an infant am of doors with its clear arms, and legs uncovered and with Before the most marriang it was suffering from industrial inflations. tion the only descripted came being expected of the skin to cool, damp sir, - a sher is had been be been most with perspiration. The sublen change from some to sold, samed a determination of Bood, from the outlier to the viscous?" Hill, it is executed to on infinite baseth that it he kept enough of the time in the open six, While doing this, he the intuit ast become over brigged, our recently out being, if no all, in right six, and let all possible passes be taken to maintain a healthful temporature of its body. Within doors, children should occupy dry, tange, wall-youtstand scome, into which can enter, as hapt during a part of the day, the direct rays of the reat and I would also advice that all the means for hinting and ventilating these more by kept constantly ready for use, for even in ansature they will be at titule recentral to the preacreation of boath and combitte

Dr. A. Jacola, speaking of the Are, often impair air of manner, as a share of and means of populating infint durches says : "The Worst out-four sir, when cooler, is nother than elem include uir. I have book very and, desperate come on all night, upon the blaffs over the East river. The windows must not be closed. H possible the child should be sent immediately to the country, and into the mountain air." The chose low reportant in these cases, wholesame as for the while as females is thought to be Still, after the children bare been recoved from unhealthy onroundings, three yes remains the necessary of proper production for them, as well as for their asserdance from the possibly but effects of the halosome changes of temperature; repetally from the flanper community upon the full in terrorization, which we often taken place, more in assume Auring might time. Among the means for properly securing this manusary postertion, must be included large. mutable rooms, which one he at all times three-signify constant. and aloubl occasion reports, warned by an opening in in Palls. Emblered fire place," or a good amanima therefor.

A few morels upon the arright of alternation. One point, though softened is in text banks also and appear to be sufficiently duck upon. There can be no occasion for exying their inferior generally storage best when hed in the natural way, but there is good reason. I shink for eating attention to the fact that in prevaling with for bund-feel infants, too little pains a commonly value to present it being injured by exposure to the air. I have hel a limited ten very satisfactory exposures in feeding them infants on perfectly feeds with. The milk was diluted as usual care being taken to add nothing to it evolutingly to lower in autural emperature.

Dr. C. H. F. Bouth, in his work on "Infant Fooding," subsmatially says, "Children have much less power of generating host than adults, and it may be true of some children that the volattle principles of talk are essential to the requirements of their organism, whole to adults and to more stronger children they may be experiment.

Whatever he the cases the fact is investroversalis - the namer the male is the better it is for the still. It is evenerable they well man children will throw when full upon milk immulately after it has been drawn, even when other means have fulnit. Discotton, them bound be tower cases of surgestion and marries. to harmful children if they would be formulated with a plenty of partnerly fresh milk. Without the milk med has how commit guite a distager, its remountal agridient and in many intraces of power in a tearm traperature, hasten the decomposition, and thus lucairita firma forelibitoria sac. Momono, a mo be semables that "the some with which make receives and carries infection," leads mpost name for avoiding as much as possible the risk managent open its exposure to the air. I have, in a few unitaries, had a very so sheriory experience in booting a sick or both child, for a with, wholly upon milk that had been drawn from the new just before it was taken as heal. The wilk was given diluted in the normal manner; care being taken to add nothing to it cool enough to lower its natural feaquestions. Of course a will generally be downed beginsteadle to broadle the band fed shift with mile directly from the minual six or eight times a day perhaps; but I before a more general accommance with the advantages of this method of fronting in mino come would cause it to be obtain unit. I med not sur the information as to the unthoic of powering noth by horning is cold, by undring so it, an alkali, as becarbonite of such, recommended with commentation require a to be kept. for a social double time, is to be found in such works as that of Meigs and Pryper on - Diseases of Children."

A word about confound milk. Dr. Eustace Smith in his work stricked "Wasting Discusse of Infance and Children," says. Condensed milk given freely diluted, will count agree when fresh now's nells ranned be borne. Infants inmediately after high, almost invariably do will upon unclosed milk. Our preserves milkhowever digentific it may be, is no efficient substitute for the fresh milk of the cow.

(Hodica who are led for too long a time spon this food of so become rickety, and according develop symptoms of scurry. In no case should no infant be allowed to depend for nonrishment upon preserved with longer than is absolutely necessary. As som as possible the condensed milk absolute to replaced by fresh row is milk, delated with further-water."

Hr. Blooth, Increive, speaking of two brands of condensed milk, says: "The extent to which both these milks are new comployed in an evidence of their undefiness and appreciation by the public."

Prompred milk proves invaluable to skildren who are fed artificially and are someoffed to mared by find or by water. The quality of the milk is not continually charged and the milk is always fresh and reads for use. Doubtles condensed with him advantages, but, judging from my amited observation, I am maisfied that cow's milk, when it agrees with the digestive organs, is far preferable as naumshmees. Dr. Routh also says, that when all offerts to bring up a child upon milk are likely to fall, he has known a mixture of one part of cream to three of water, to prove very honoticial. He constitute adds to every halt peat of this mixture half an ounce of into water. In many cases at a deemed better to dilinte the ownin with barlog-water. I do not refer to this preparation of food as something new or uncommon, but mainly became I take pleasure in calling received intention to a kind of nourishment which I have accessorably found to agree with a child belief than any other.

In accordance with my intention I here offer a fittle of my experience in treating the acute form of these discusses. Thirty years some the next common treatment was accounted different from that of the present time. Especially were manufals used more than than new. The bounder were little used as anticines, and not at all in the treatment of lowed complement. I particuonly marrisher an epidemic that occurred note twenty-eight years ago. The patients with low exceptions were under two years of oge. Many of the rame noted from two to those works. Force was affect as parameter symposis at the retrospectors of the attack. The vomiting was constituted very transference, in the attack. The vomiting was constituted very transference, in the attack. The continuous two constitutes because cost, the palm frequent and to her; in short, the symptoms were those at other position. Where the treatment was consensed outly it now consenses to administer a mild laxative, as caster oil or sympol rheshed. Small does of landmarn varying from constall to a whole frequent state more or Berei's powder, or Tully's powder with a small quantity of species, were prove come in three or dear hours, and in some cases chalk was used.

In a few cases a small quantity of blue mass sected to releve the escases and improve the state of the baseds. But when the storage continued organic and the discharges from the bounds were organic and warmy, and the order skip, fields pulse, and other symptoms showed great exhaustion of the west powers, as constitue this is well as the following, which was given in sufficient states, trees in two to three hours, if the bounds continued to more. The moderne constrool of a mixture containing arounds subplaced and our drachin, while sugar two fractions, compound sincines of cardiamous one drachin, and papermint scales two ourses.

The effect of this mixture was to stop the consiting and lesses the distribut. When there was pain in the bestels or the distribut stall continued, it was given alternately with small deeps of leadants. The ability with the authors it over distributed with measured or only imments and kept account with tages. It was openingly for the attendant to take the ability limbs in the offset tands, and poining their alightly, to run their lates over head especially when they were rold. This processing proved to be an excellent way to warm the attle patients a street reported to be an excellent way to warm the attle patients a street reported, were beneficial in some cases.

The confidence to those not provided with breast-milk was a mixture committing of com's milk one part, and becoming the news, or a preparation of arms cost two to four parts. The milk was recovering control to some cases for a day or new. Chicken the or body by any constitute controlly, third when the milk disagreed, but with tittle if any apparent baseful. I have some tried in such cases various kinds of nonrishment, repectally, in protracted cases, raw test, which when properly proposed effect does well. During convolusionary, louing, such as proparations of iron, some structures moded, and of course the proportion of milk was incomed. Once of was applied to the child's ship one or twice a day, especially some after 2 had been chansed with some water. Nearly all the cases thus treated, some freely to more, recovered.

Five years later mother epidemic occurred in my practice. The characteristic symptoms were comming, diarrhea, hot skin, frequest pulse, contest tongue, and nervous irrelation. The mecharges from the forwards at times consisted of abouty murns, and gentral food, etc.

The instituted frustructed commuted in the infinitelyment of option, special and soils of chain, with small does if controlly which was arrestly given in the form of an rimilition, near the communication of the discuss. In four or five cases a little blan transmit to stop the combing and enters all the had simplicing the drynome and foul of skin were enterwhal related by control building with warm subset, believed by the applicables of oloss oil, with which the skin was rubbed once or twice a day during the delates, and if the child was weakly, during the controllecture. The abdition was becomed and those second with a light positive. It was also irritated commonstly with constant in constitute of the product described only in the restrict of the controlly scale constant in constitute of the product decimal during the control of the product decimal thirty and borty cases were treated, three of which terminated family.

Before quitting the unbject of treatment I would offer a new worst along the brounders. Since the brounders were introduced into their parties their art in the treatment of children's decayed has been invaluable. The brounds of potnessins does excellent service in many arms discussed. It never aggregates inclaimentles, generally become fever, univers nervous critation, and in many stays promotes the pattern's recovery. I have derived valuable information from an essay on the "Treatment of Simmer Lieus (faints by the Brounds of Potnesium," read by Dr. Salvator Care, June I, 1969, before the Medical Society of the County of New York, and subsequently published in the New York Medical Record.

I have a plasmat remonstrates of my first observation of the

effects of patentism in a case of sympathetic infantile convolutions. Instead of the long-and valeries, Boffman's analysis, etc. the brounds of patentism trace bested with purfectly initializary nearlies. In severe bosed complaints there is upt to be great invitation of the purvous system, especially it seems, of the sympathetic nerve, the block of which are "so righly stateflored to the route of the vessels throughout the alimentary canal," as well as to the outsurface costs of the intestines, sir. In these cases this brounds salt is unexcelled in its much precise quieting affect on the nervous system.

I think for every years up somes in theming burnel complaints has been unhanced by the use of those medicines, which seem not only to prevent the possibly bad effects of the opion so generally needed in these diseases, but also to limiten the own. In treating influentatory diarries I have used there in connection with the common remellies for this disease. As I connect while to not partic alily resease what authors say concerning the use in that complain. of other drugs, as easter oil, sulphase of magnesia, ipecae, chalk, and many others. I would marsh my that brounds of possecure has reversed to me to be very useful in the freatment of the arms. forms of the disease, as well as of other bowel complaints, but only in -nildren, but also in adults. For instance about twoweeks sure I was called to an unhealthy tenement to an a could seven mentle old. For twelve bears its stomark had removed but little of anything, not ewe of the breast-mile on which it had been thriving. The discharges from the howels had been frequent and bloody, the skin was hot and dry, and the pulse frequent

The treatment in this rate was commenced without the use of a locative. Selven drops of landamon and five of fact extract of species were selfed to thempt temporalish of solution of goin scattle. To snother twenty temporalish of this solution was added a semple of bromble of joinscens. These proparations seem given efformable, an hour and a half apart. The hot and dry skin was carefully bulled with marm mater, and twice a day milled with other of. The abdomin was formated, positived, and deglitly irritated. The child constamily improved and is now well.

Dr. Du Come says, that "Demails of potentium beams or everpresents many of the diagramable symptoms of option." My experience has not me to conclude that the combined effects of the two materials, is often nature, in these many than that at the reprint above. Moreover, the parellin affect of the broadle on the increase spaces has appeared to growly aid in relaying the grateo innocental irritation. I would have it understood, however, that in treating each cases, I use conter oil, sulphate of magnesia, opinin, iperact ster, as they are used by others. I have only intended to any that, in the treatment of inhammatory distribut, the transition are capable of resistering waviationally. I would say that whose them inclinates are externely metal in the treatment of the distant, there is comparatively latterink in using them. The effect of astringer's most is the watched. Acid must be used with a good deal of caution. I have related the symptons that hell use to try in.

It would be needed to give here the resument for cholen infanturn, recommended in next-beoks. I will venture, towever, to call attention to brounds of pataseous as a namedy for this diagno. It can be advantageously most perhaps, in connection with other drugs, but I now propose to show results what it has done alone. I have moreufully areased quite a number of cases with it. A year ago lim summer, I treases a fire cases, two of which I purticularly remounter. One of those patients was a year and a half old, the other ararly two years. The symptons were almost contant vomiting, frequent, large watery discharges from the howers very imposes, hardly perceptible pulse, and cold extremthe. Half a dractim of brounds of potassium was dissolved in an sauce of imerilage of girst arabic, and thirty-drops given, every near. The wonting man count, and the next day the sherlarges from the bounds non-new and astural in veloc. There seems to be different opinions as to the quantity of the bromains that counts hilm in abotive desc. Dr. Irving C. Boom, referring to cholera telephone, says "Bromide of potassism is almost a specific for this affection, careful altention to dot being observed.

- The following formula = owd.

5 Postoli tempidi — N – II Machagaris scara — Si)

"These, from the drops to a interpreted, regulated assembling to communities. Occasionally a deschar of keameria to adole to this turipe. The food is prepared by pourding a much quantity of fresh best in a linear sinth, and expressing the price to which a very small seconding of cayonar popular is which in Vapley's Mation! Throughther

Dr. William R. Hazen, spending of the use of the humiles in the treatment of the summer complaints of oblition may: "The does must be large to be effective. Disregard of this feet has cancel disappointment." Speaking of the besimble treatment of excepts, he sum: "If there is much arisity of the absorbed, a few grains of an alkali should be given with them to present the fornation of treatment becomes." May not the suggestion in of an in the boundle invational of other discess?

The forceting cores are related by Dr. Caro, whose experience in in favor 16 small doses;

"Joseph Prost, say months old, form of healthy frish parents. has two tests, and is fed from the bottle. He was smeet with eramps, voniting, and almost increases purping. I prescribed a mixture of half a deachin of brought of possessing in two concesof murriage, giving thirty drops every two hours. After the third dose all alarming symptems disappeared and the child recovered. - John Smitt, twenty-right months of ... For several days he had Seen suffering from vomiting and purplent discharges from the sounds. I gate twenty drops every near of a maximum of ten grave of broader of potassium is an ounce of murilage with twenty minim of finctive of Leanueria. After a few doses the child slept, and upon awakening asked for food; vonding conec-The flux from the horsels changed finin paraliest to yellow, and the twenty have to thirty passages on my treaty four hours, coninabed to six. He become convalenced six days from the our mercent of testment."

The dector says: -I have had one bundered similar case, varying a spectrum these to drive morths, morning or women. I have breated then with the termide of polassium and marillar, and have not a format a to fail. The she says: -I governly procedu from one is that a mains of the Leonade to an ones of mobile, or her not fage or transpollorer mater, for their pleasal tasks, the does using too no thirty drops over from a two maying secondary to the use of the parient and the entirest of the transpolar models; but if required, I what the transpolar of known a few local application. I min the set with reducerous generally using our semple of the form or a content of the hour, constitute the million to such a set to the content. When used in large the Li have one found any

attafactory results from bromide of potamium; but I always succeed with small desce."

In arbitron to the remarks on spentrum I would say that while it is well to recommend the removal of visidings to more solubranes localities, that they may recape the ball effects of hor weather is unbruling places will since a large majority of their must of terrently remain at their own house, is is took a public and a pretile ship to make effective effects to secure for their noises the best possible hygienes conditions.

It may not be unto for me to conclude by saying that while the State and provides both books on hygiers for our control schools, it would be well for planethropode to unite or an effect to bureich every household with a manual of the best appears rule, calculated to promote the boulth and physical development of challen. As a result, there might be in our schools, more children who are strong, healthy, and well fatted for the task of assuring an admitten.

ESSAY.

THE NEW HAVES WATER SUPPLY

A CHITCHE OF THE MINITES OF ANALYSIS OF THE CONSTRUCT STATE.

DR. ARTHUR J. WILLEY, IN THE REPORT OF THE CONSTRUCT STATE.

DOADS OF BRAINS FOR 1889.

By Hermativ E. Switt, M.D., and Wol. E. Lockwood, M.D. (Distant) to the Sor Horm Courty Station Scores)

Statements have appeared at various times in the new-papers of this city, purporting to be the result of analyses of our water supply. The remarkable character of those statements has given rise to some comment among those conversant with the matter, but has not railed forth any public criticism. The appearance, however, of similar reports in one of our State publications, gives to their such authority as to justify a public uniter.

The statements in question are those mass on the New Harry water supply, in a paper entitled "The Sandary Examination of Drinking Water," by Arthur J. Worf, M.D., of Harrison, and published in the Report of the Connectical State Round of Health for 1885.

In Table I we quote Dr. Well's remine, counting, however, those on citaties and nitrates. As he employed the unusual and of grains per importal gallon, for solds and chlorus, we give with the figures their equivalents in parts per million. The figures in parentheses will be explained below.

	l.	Total Smith		Converse.		Assess	
	Amore of Namedy	Property of	Property of	olin prigder	Party and a	L	Afternand.
F	Free Lann Weiters, New Haven,	(17.6)	att	da	100 j	+.001	0.545
6	From reservant, Lake Salton, stall, Now Herem.	10.0		(4.3)	190; 97)	0.65	0.229
7	Print impits pipe at Prof. Landsby's resolvers. Elin Street, New Harry.			14:21			0.000
8	Prost reservoir on Prospect Stroot, New Haven	(19.) \$1.03	257	7.4	100. 107.	0.005 (0.003) 0.0131	

The water supply of this city is drawn from accordingly. Lake Whitney is formed by a sinn constructed accordingly a man element; if also recent the water of a considerable arise of example trad. Lake Secondail is a natural good, fed by springs and small streams. The water of these principal sources is mixed in the pipes with that from Lake Wintergreen and the Malifey Ponda which are likewise supplied by springs and sould streams.

To one destiliar with the constituents of mater from such sources, it is hardly see many to suggest the probable incorrectness of the above figures. For the purpose of comparison, however, we introduce below, in Table II, some results given by Prof. Mallet in his elaborate return on states analysis, published to the Report of the National Board of Health for 1982. The first three his classes as caurilace water from streams of comparatively small size and capet contain.

In III we goe the positiv of an oralysis of the Salkensuall water, by Paul II. II. Chittender, taken from his manuscript.

In IV are given our results in averal analysis of the New Haves supply. The samples, with the exception of their of their 22th and New 17th, were drawn from the fracets in the countiest interalory of the Medical Department of Yale College, whose the analysis over made.

	H.	Percentione Commercia				April 1	
	Source of Causaline	いない	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200	THE PERSON NAMED IN	Ł	1
12	Cochinate Water Supply, Bastic Mass, Sept. 1., Crotecy Water Supply, New York City, July 20, Lake Related Water Supply, Ballimore, Md. July 22, Lake Champlain Water Sup- str. of Emfragine, Vi. May 12.	8.5 8.4 8.4	40 40 300 20	0.01 0.01 0.11	1.6 9.61 9.61	0.07 0.02 0.01	0.007 6.130 6.100 6.160
	III. Lake Salvasorali, New Haron, May 25, 1882.	2.1	ħL.	0.38	4 (9)	0.007	4381
	IV. New Haven Water Supply. May 8 (805. Oct. 10, 1885. Elm Street, Oct. 27, 1885. New 7, 1885. Prospect Street Beservoir, New 17, 1885. Linc 1, 1885. Jan 16, 1886. Feb 13, 1886.	1.2 4.3 4.2 3.9 0.4 0.7 0.6 0.6	G18.87 77.97 W12.8.4 W12.8.4 W12.8.4 W12.8.4	0.36 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4 09 4 09 4 09 2 49 4 49 2 10 2 10 2 10 2 10 2 10 2 10 2 10 2 10	0.661 0.691 0.691 0.694	# 130 # 120 # 120 # 137 # 180 # 180 # 130 # 130 # 130

In the trater of portion containing contained quantitized regtable growths, the amount of emersion and allowers of material varies greatly at different soutcon. A emparation therefore for our present purposes can assee fairly to make between results on the relatively constant, though perhaps less seguificant belong total solids and calorine.

In the above tables our results are seen to present a gravial agreement, well these obtained by others from similar waters. They are also seen to agree with Prof. Chittenden's analyses of ease of the city's amplies. They are therefore probably correst. It will be seen further that they do not agree with fir. World's soults.

Dr. World received direct the complex market 5, 0, and 7, and a report sent by him to the Secretary of the Board of Health appeared in the New Haven Receive of Oct. 25, 1885. The figure

as then published are given in parenthons in Table I. They have been writted by one of its by comparison with Dr. Wellf's inconcrept.

Why a sear of the figures expressing his results were suppressed, and others altered in the final report, is only conjugated.

The uniformity of the four conductor elebring is constraint, as in also the statement on page 21G, then there can insignificant amounts of abbound?

Later, when we becomed that the water of the Prospect Street removals was to be analyzed, we required that a number loss sent so the Medical School interatory, and in response section a specition from the Secretary of the State Board of Books, with the statement that he had collected it at the same time and place as the our results Dr. Wolf.

Wit here repeat in direct comparison Dr. Wolff's results and come, obtained from samples concerted at the same time and place.

	The same		Comme.		Armine Transce	
Sample From Prospert plant Descript:	100	裁	Section of Persons	Par Name	I	Manager A.
ne work	2)/45*	000	7.15	105.7	B.11278	11.229
Anthony	4.0	39.9	0.20	4.5	0.034	0.119

[&]quot;Imports galon of York grains

Without discussing the question of the value of conclusions forward from a charmonal examinances of writer, we may simply make that it is one-you that conclusions drawn from incorrect data must be valued-on, and are likely to bring discussion on such work. In it, therefore, with the areits to expose with appears to be incomplement or conclusions that we have propared the statement.

In analysis we wish to say that we have no draws to champion the cause of the New Haven Unit water. For, though it is a water of very measurable permit, as far is its inorganic conditional ancommunical it is frequently contaminated with an amount of organic matter of regeration origin, which, with sufficient care, could probably be considerably disconstent.

¹⁰ to gallon of \$1 kill greins

SURGICAL NOTES FROM THE CASE BOOK OF A GENERAL PRACTITIONER. SERIES II.

by WHALLE C. WHE M.D. OF NEWDOWN CORN.

In presenting the Second Series of Notes from the Case Scok of a Gerard Practitioner, I have soluted not those which are the arest dangerous to life, or those in which operations for their relief are the next different to perform, but suffer each as illustrate the large scope of cases which fall under the case of the general practitioner, and which, as a rule, are sent to the specialist in the large-vities.

This paper will emphasize the facts as we forth in my paper in this body has year via.; That the general practitions with the accessory knowledge (which all should have acquired before naturing the practice of modicine) can perform such operation and take more of such cases with as good second as the operation and take more of such cases with as good second as the operation. The very literal and kind manner in which the medical press received my last effort has been so gratifying that it has been quite as important factor in proparing this paper. I consider this series fully as interesting as these pertinally reported for your consideration. Again my friend lin: A. W. Longhton with his shallful puand brush, has illustrated the different cases, which i am are will be fully appreciated by the reason, and true add not a stille to the stationarities of the bias as not as increase the interest in the

During the sarge singlest exponences in the but year it have to come more and more firmly convinced that thomoght astronom in the only method to be pursued in the treatment of sometic. With complete and chorough natisciplic treatment all of the dress of many complications, which need to make the most british operator until gives way, and imposes one with a degree of confidence which can be obtained by no other usues.

DESCRIPTION OF THE LOWIS STREET, OF THE PERSON OF STREET,

The following case is not prescribed an account of its rarrly of that the operation for its relief was of a word or perform character, bed because of the exerting same which hid in one grave distruction of bore three, which was a unique. I have never one on a a case released to in any of the text-backs of the day, nor in the medical prime. John T., agail interests was not by the parents to remail use in reference to a pain in his anith joint. Being should from house he went to another status in the variety, who diagnosed a distoration of the joint and with somewhal violent manipulation of the affected past, finally decided that he had



ASSESSMENT PROPERTY.

mounted it. The next one I was called to see him at his terms. One no arrival I found no history of any arrival, no fall or him no account be the diagnosis of distoration. On the second day proceeding the one on which I was him, so fast found on ming in the marriag that above was considerable stiffness and someon is the lotte, which gradually grow norm until the time be called at my office, as which time those was considerable swelling and pulse. On the accusion of the manipulation of the dozon, the points (who was an unusually highs and toologue) toy for his age, had authors! interactly, which surfacing and increased in arounty in the

time of my rist. I found him with a pulse of 124 temperature to 1 great thirst, eithering excrimating pass in the right with which was smother budy and excreasingle pointed to the boun. I sho found the local knee and the right effect assembles cooler out painted, bounds constipated, arms sently and high colored, no appetite, considerable busharbs. I made the discrease of arms inflammatory discounting, which all of the symptoms warranted. I prescribed by him one pill of salicytons of emotionism, commo-



ing two and omedalf grains, every two hours, and the following micture, twenty disquistery from hours

14.	Potent indick,	2]
	Vin. colch. witte.	- 511

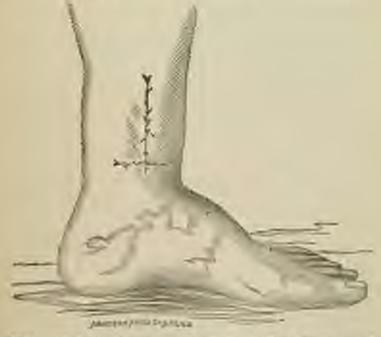
I also undered the bounds to be thoroughly unburded by the administration of a tengrata dose of hydrang chlor arise, which was followed in six hours with a dose of castor of.

On the following morning I found him much more confortable. The pain was much has, and quite endurable, the swelling had subsided considerably, the bowels had been thoroughly infeeded through the combined action of the caloned and oil; temperature 1997, poles 1998.

The next day the symptoms were better still. The temperature and processors were ready normal, the pain heat, and overling in all of

the joints had very maternally decreased; the moreovers of the joint were not very painful. The case gradually continued to improve for the next two weeks, when every contag of the rheumation had disappeared. These still remarked, however, or the askle first attacked (and manipulated) a considerable degree of tenterson, exciling, and pain, which could not be accounted for an any hypothesis of the rheumatic trouble. I need noticed against our paration, when I commenced the liberal application of list water and position. In a few days the abscop was opened and after the systemation of a considerable quantity of post I found that the surface of the condyle was denoted of periosteum and that the perioscal inflammation extended quite a listle distance up the term. In about its weeks I decided to operate for the removal of the dual bone.

I was imped to this course on acrount of the boy's effectings, and his increasing posteriors and emicrotion. So on January 15.



1984, with the kind necessary of my freed Dr. G. L. Porter of Bridgeyort, I made a "?" staged incisor, carrying it down to

the bone carefully lifting up the discussed personeum, and, may tiously peology it up, with the gauge, barminer, chief, and scorp, out the discussed portions away. The operation was believe as account of the quantity of tissue to be recovered, and our descript leave every particle of usual bone that we could.

The illustrations accompanying this purer will convey the manner of the incision and the extent of the compations. In hos, when the operation was finished the whole lower extremely of the tibus was nothing but a trace shell. The wound was packed full of wet carbolized but (i to 30), well harriaged, and belt uplace placed on the unrar side of the log and ankle for support. The boy's hand suppowed unmeritably. The repositions of the losse summonest promptly, and in the course of the next six months the cavity made by the operation had entirely filled without much actuality, the ankle boing a moral one in fact, in examply impaat all and the deforming is only slightly noticeable. The result in this more was more than we had a right to expect, and much bother than we had haped for

It is quite erisent to me that the informatory reconstitut was minuted for the distoration proportionallie as it may seen), and the consequent assequentions in order to see a tone put out of place, to up the personnal inflammation which resulted in as extensive tone doesno and distriction. I neglected to mention that the motion of the print array to be perfect, using to the fact that manipulations were communical over after the operation.

RETURNSTONS OF THE HAND - CONTACTON AND RECOGER.

On account of the one and attention of the growth in the core I thought it of sufficient interest to report. I was called to on Mr. W., aged accenty-four, of Easten Core, American, was but an almortual growth on the dorsal surface of the left hand. He gave no the following history:

About twenty years upo he knocked off a small piece of skin from the back of his hand, and at the one of his present growth. This was done while chopping wood, from a flying splinter. The world did not assemble to anything, but never quite bound. After a while it assumed the appearance of a ware, and if the top of the work knowled off it would cause considerable homorrhage. It removed in this account with but slight enlargement for a but tarely years when a summerced to grow quite rapolity, and contential to do to up to the time of my vest. On examination I bond a large epithelium of the dorsal surface of the hand, which was of a head texture of the appropriate long and as much us width. At the base was a from from which a most offensive other came. The surrourshing these was congested and looked angry and eventshines; it also caused him considerable pain at time. The best idea of the general shape and character of the



growth can be obtained by annulusing the accompanying cut. At this time also the neighbout injury would bring in a combinable benerohage which was not easily stacked.

I advance its numerical removal, and on December 5, 1885, in the presence and with the Soni ametance of Dr. L. D. Will become of Newtown, Coun., and Miss Amer M. Bende M.D., of Redding, Coun., performed the operation by making an ellipsical instaint communing below its wrist and extending forward to the memorapy of dangered articulation. The edges of the second were brought negation in well to possible and the whole specified with hall form and domest with estimate dressings, corrows sublimate. I to 1,000, being and in all of the continues, and for the

sponges during the operation, the instruments being places in the nemal cardiotical solution, 1 to 30.

The case was boll in the charge of Dr. Reads, to whom doe credit south be given for the shillful after care and excellent results. In short two countle the would was perfectly leaded, and the man restored to health.

DESCRIPTION RESIDES FOLLOWING THE INDUSTRIAL OF THE CARREST.

The following case is exceedingly interesting, on necessat of the severe and nearly fatal results following the injection of your onhelic acid rate the several us; for the radical core of hydrocele. Out of the imply cases of this common disarrier which, in an active peaction of nearly screentoen years. I have treated, I were have seen a single instance which approaches the severity of the subsequent inflammation, and the destruction of so much tissue, as occurred in this case. Many operations have, from time to time, been supgested for the radical cure of this condition, but I faily believe with Dr. Sards of New York, that no means have been employed which will give such satisfactory results, and care so large a pensentage of cases, as the old one of exacutting the contents of the sac, and investing into a the tiperary of indine. I think that failure to get the lost results from this treatment lies in the last that the quantity, as collimative imperiod, as not only too small, but it not fully distributed all over the same of the sac-

I am in the balct of using from two to four drachms of the tireture knowling it well, and being sure that it has come in contact with every part of the liming membrane and being a se. In opwards of sixty case I have not in a engle instance failed to effect a permanent cure, and without excessive, and never with desiranice, inflammation. If this plan is constully followed I am some the results will be all that can be denied, both for the patient and operator. The use of embodic acid has been advocated wantly by many members of the preference, but I am sure that after cooling the following case estechally, they will be reafter use it with automocaution.

Sir. B., agod forty years, American, well smit, american, of full habit, weighing one lumdred and forty pounds, a farmer by some patien, who had always enjoyed good health, and for me on Suurday, February 27, 1886. On arriving at his house he gave me the following history:

About a year ago he noticed a consecuring colorgement of his scrotten, which gradually increased mail it was nearly three times the onlinery size, on which condition it cannot have as much mean. ventered that he located to get some surgical solvier about it; so that six months after his discovery he consilled a prominent phyturns of Bridgeport Coan, who diagnosed hydrocele, and admissed topping and injecting it, which was consented to, the operation being performed at that time, but with no results whatever. In a short time to noticed that the fluid had commoned to resexume. late, and at the end of elx months more, with the scream about the same size as at first, he consulted the same physician, who this time suggested that the sac be injected with pure carbolic acid, which was reality agreed to. The operance was performed, the putient returning to his bome the suns day, which was Saturday, February 70, 1886, and the following Samuelay I visited him for the first time. Immediately considerable influentation developed, which the doeses had predicted as possible, and for which he had given a prescription for a latter of feed and column to apply extermally in the evens of its becoming exposite, and some generalis of morphine to allay the pain, if it should be necessary to use them. In suits of those remedies, which were faithfully used, the inflammation special, and the resulting suffering was terrible. Supposing, hoscover, that this was no it should be, and the result to be hoped for in order to effect the care, he bore it patiently, and did not call in professional and until the following Saturday, when I saw here. and found him is the following condition: ... tongue heavily mated: palse 124, smar and weak; temperature 192.7" skin but, and covered with a profine perspiration, which rapidly could. The sendom was swotlen very migh, exceedingly sensitive to paramete ce munipulation, and was at least five times its interest sing. It was engested almost purple in bus, denoting systked impellment to the local circulation. No discinstism could be detected. Bowels obstitutely coestifuted, and be exhibited all the exhanding effects of violent inflammatory trouble. Examination of the tirms showed traces of surbulic acid, and the justioni exhibited marked avalence. of the absorption of a combination quantity of this drug. I at one applied hot foremtations, gave morphise or fiberal does to rolling the pain ordered two grains of qualito evers two hours,

together with all of the stouchasts that he could take. An injection was ordered and administered counting of our course such of seems leaves and opens salts stought to may to note in a quart of his water; bed too, milk, and nonriching final of theben.

The following morning, the 28th, I found that the bowds had moved freely, but the line of inflammation had extended up to the have of the pents, with consequent increased suffering. The pulse and temperature were the same. Profine perspiration, with dimenshed secretion of urine, no point of formation wall to detected. On my third visit, which was made in the morning of the let of March, all of the symptoms were aggregated. The synaling was exceedingly profine and exhausting to much as that this clothing had to be repeatedly changes during the preceding thenty-four form. Pulse weaker and more thready, and 126 Temperature 103.1° and every indication of rapidly decreasing vitality. The numbers was retunely congested and connectly pointful, and through it was beene to an amount degree, still no point of fluidanton could be detected. I decided however, to make an explaintly incises, being well convenent that there was concealed visitor pert up sometelers. On making the opening I found a considerable quartity of pure modernes pay hilder belied the enomously hypertrophied walls of the erectum. Extending my neison in both directions, shore and below the original opening. I completely exactated the sar, making the cavity out thoroughly with a strong solution of phonol codings. Great relief was expenshould at once, and the parastic condition around considerable improved though the restaura and valunation were may great On any second root of that day I found the temperature 1917, pole-110; and the encourse excelling semiliating without abstract The patient was ever weak, and it did soon that attendance were of no send in heaping up his mongels. The pairs had left him. about sumsels, and his boseds had horn more? Imaly with as injection. I howard the grinner to draw grains every three brown storped the morphia, gave been ide of pataments for shoplimited, which upo provint, increased the attenuants to a talkassociated every half from and referred littles of Muntuck's Laped Food. The most connectinged to the which could be made in the finid form wory freely given and tweely drops at the arematic sulphuric acid was ordered every lone hours, topollar withtouritrip down of aromable spirits of automatic every law book

At this visit I conclude examined the sac. To the right of the raphs I found a large section of the those dead, and all the conditions of a well-defined slength forming. Positions were continued. The marky was thoroughy washed out with a strong minimum that phenol sedique perfect quest enjoined, and street attenues to the details as laid down invested upon. The next my the along hope



rated and the percent entered upon a long and tedious convalescence. The cut illustrates the condition at the time the slongs was removed, showing the exposed testicle peoping through the larger opening. Good nursing, a liberal diet, from quinne, and touce, finally brought him through, though not without hard work. I am indebted to my partner, Dr. E. M. Smith, for valuable smistation in this case. A VALUE OF RESPECTACE OF THE CHICA PROS ESCAPEID PROPERTY.

AND OCCUPION OF THE TRANSPLATED PRODUCE AND PROPERTY.

— OFFICE TAX. — ADDOVER.

The recessful trustment of an enlarged process in advanced ago has been a frontful theme for discussion among surgeons from time immerceial. The literature upon the subject is sterply overmone, and the proposal surgical procedures are numerous, and the remedies employed or recommended are equally numerous, and red to-day we are really as far off from the doctred end as no senfifty years ago. The needical permule a few years ago announced that Professor Agrees of Plaindsplin had obtained signal success by the use of the finid extract of erget in time trouble, and that the drug excepted a powerful influence in distingishing the size of an enlarged processe good by expillars and filtre contraction, and the bladder would be more thoroughly executed through in orbionce mon the numericar fibres of that organ, causing semination of that viscus more completely than rould be possible under the me of any other known temody. Quite naturally the trustment was received with great enthusasm and the world-wide persuasion of the Doctor was sufficient to have the remedy more thoroughly tract. At this time I had several cases on hand and I gave the new treatment a most thorough trial and with the most and depest results, and if the mencal journal reports are any index; they would indicate that my experience was almost identical with that of other observers. Since that time I have half my spects of this class of cases as usually fall to the lot of the busy practitioner, and beyond the point of efficating my patients in the proper manner of using the nationer, and advising its steady and persistent unanisting upon a thorough evariation of the contents of the shall der at each operation, as the best means at my disposal for their reited. I have had to be contest with such pulliative measures at would distinct arritability and keep the general health in as good condition as possible. The German surgroup have been operating agen a considerable number of cases in the past two years, for the radical curs of this mainly, by removing a part or the whole of the giant by an incision through the pertasum, but statistics show that no very favorable results here been obtained, and I am entitled that it will have to be considerably moduled and a low dangerous operation orbitioned before it becomes popular with any counderable number of conservative surgious. My distinguished friend, Dr. Belseri Newman of New York city, has recently devised a very ingenious instrument for the rolled of this condition. It consists of an insulated sound, carrying at its distal extremity a consenied platinum cautery, which, when introduced into the methraand pressed against the enlarged gland, can be brought in contact with the hypertrophied tissues, and when smached to an electrocauters bettery will been its way through rate the Madder. This instrument, as I said before, a new, and the experience with its use is limited, but Dr. Newman reports excellent success in the cases on which he has used it. A larger number of cases must, however, be reported before a just estimate of its value can be made though I In think that the convents of the operation is a good one, and I cannot are why, if skullfully performed, it should not prove invalaable in many, it not the majority of cases. I intend to make the effort on the first case which I think is adapted to this mode of trealment.

The following case is so unopen in so many particulars that I can constrained to present it to you for your careful consideration, not that it brings forth any next or earning forms of treatment, or decrease my new surgical procedure which will apply to every case of enlarged postate gland, but it may illustrate the fact that by a new procedure complete intensity may be enjoyed from pain, and the reun sing days of a well most life may be passed in comfort and gase. Death, early so fate, stored this man in the face, and his agony was amply certifie to waters at the time when I quested on him. I never performed an operation in my life where the results were more gratifying than those in this case.

Mr. James, married American, scenary-seven years old had been affected, for twoire years provides to my using him first, with what he termed a hisbler and kniney transfe. He had been for the most of this time under the care of an apportant practilatorer, who had dessed and doned him until all the indigenous materia medica, as well as all the remodess he could bear of having a bearing on the case, had been used. From the emple irratability of the bladder and the supposed disease of the kelmeys with which his attack communical, he gradually grew some until exeminal retention would take place and the services of the medical man would be required to relieve the bladder of its connects, which was accomplished through the ignorance of the sporator after paining and precessed effort. These attacks of retinion became more and more toughten, accompanied healty by transports, unallabout three years provides to the operation when I was called at mailing to to see Into.

the arriving at the house I found that for turnity-horr house like ployeein had made many and vain attempts to introduce the exthehe and relieve the distention of the highler. The man was waiting the fluce in great agony, monting with pain. He half in his band a small bin exp into which overy his momenta be weekt introduce has penis and make attenues affects to relieve himself by pussing the teater, but all wore unconscioul and every effect be made only lended to mercuse his sufferings. The personalism was streaming down his law, and every morement insteaded asreco pain. Hos pulso was rapid, the Madder constructedy distincted, (repeating being been complete for about forty bears), resolving nearly if not outle to the umbilious. The front of his short was consent with Mood, and exceptions he had hid down was in the ance condition, as well as autorous elother which were shown in The mention was chosed with elected blood, all of which and bear coused by the coucl and commontific offsets of the operator to set into the bladder. The austina was superious and those was as reason for this condition, new ignorance of the proper mode of towing and unmorthous such cases. Placing him upon life linels. I middly oilled a nife eatherner No. it (French nealer) and commenced the task of trying to dodge the numerous false pass. gree pockets and Aries under in the muccus membrane bring the numbers. Domested no loss than five on my trip to the bladder, stans of which I get into and backet out if an granduly as Tomorhou.

I do not think that in a communication of expensive at a gracual practitioner of multime. I have ever some a run trisery them were an image false parison though I have have my experience that other batchering cases of a similar character. For sinther was absorblingly sensitive feasies, and deficial to temperate. On automorphic the bidshire, which I was necessive to doing, I shouly does off nearly four quarts of urine which make the patient had quite comformable. The next day I was called to permanently take charge of the case, which I necessed to the end-th examining one of this size per solve I bond as conversely colorges, possible, which was evidently die notes in the case. A

careful examination of the tirine failing to show any symptoms of a character which would just us to suspect any organic discuss of the kidners a conclusion which was verified as long as he lived, I at rate assuminged to teach the patient that he grint pain the culturer homelf and that a most be done systematically. To teach him the procedure was not so emy a uniter, but with a little putience and penersenance this was accomplished, and he became quite expert. Still I would be compelled to pass it myself at garring istorials during the year which followed, sed this would be especially so at the times when the hematuria would be persont. As for the products, come of those healed with from electrices, which formed ann strictures, and these gradually contracting male matters more and more complicated, so that, in spite of repeated bisations by wouds at varying intervals, and energetic treatment for the purpose of diluting the urethra, it grew smaller and smaller, and we had to use instruments of a less size, until the ramal got so secoli that we had to use a No. I as his daily instrument. Once in about three months he would have an attack of bematura at which times he would loss constrorable blood. This condition of affore continued with a Dir general health, until April 21, 1885, when I was called suddenly at midnight to see him. I found him suffering from his usual extention. A No. 1 catheter I finally, after a good deal of hard work, succeeded in introducing but to my surprise I found that the bladder was entirely filled with what seemed to me to be a single clot of blood. Palpation on the only side confirmed the diagnosis, and aside from getting out one or two stringing closs, I was unable to remove any of the contents of the Madder. After long and combared attempts to break down this elot by municulation with a small sound and the injection and washing out the blattler with hot water. I finally injected with the and of the apprentir one straches of Jensen's person enals into a sulation with his water. After this had been in the viscus for one man, I famul the not thoulved and with a latte rigorous washing. put the blander completely emptied. The great difficulty which I experienced in these manipulations, was that I had to use such small instruments, as the passage was so nearly occluded. This was the last time I was able to get any kind of an instrument into the blacker and to bee o'clock that evening it was entirely closed from within two inches of the mealer to that vicins. From this tion the interesting exhibit was prescring itself again and again,

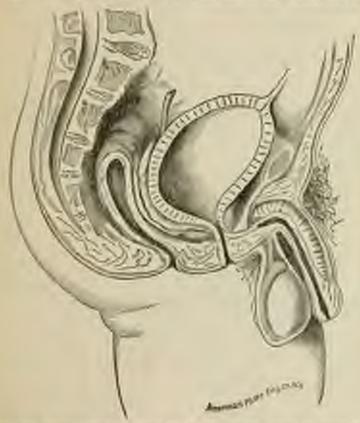
what shall I do for the last interests of my patient and to relieve his sufferings most permanently. In this connection it must be beens in mind that from the time of relieving the Madder of the electup to the present; his sufferment had steadily increased, and benoon the following day the bladder was fully distended, though wife and repeated offerts to get in through the methra had been made. Keery mount in any power were reserved to. Canfel prolonged attempts at eatherestation with hot and sold nousla, with every instrument of every men from a hour bull up, but with as avail. Her ester in the rection, see to the perceion, in fact, every resource at my disposal was recommede steel with no result. I then aspirated over the pules. This state of affairs contarned for four days, assimating twice a slay and making many efforts to get into the bladder, with the patient suffering more and more all of the time - such suffering as morphine seemed to be powerlow to allay; daily, hearly getting weaker and wishing and langing for death. I suppressed perincal section as the only resource left to me. The patient caperly grasped at the idea, declaring that he would rather die than lies moother hour in the condition by then was in

On the 28th of April, with the assistance of my friend, Dr. J. J. Berry of Portencesth, N. H., he was placed under other, and without a guide pursual section was made. On reaching the resimilarization I introduced the dilator distanced in the accompanying out (which though made for the intents, is a most valuation-distance any where, the name of the inventor I do not know, and continued to streets that unucle. This was most throughly dilated to its failest extent. This was performed so that the name would flow away for a time and gree all of the parts a not, and particularly left the Madeller recover its tone. It also was intended to easity left the Madeller recover its tone. It also was intended to easity a considerable pressure upon the hypertrophied guistance.



At this stage of the operation I made a transporte union through the unition, one link above the superior angle of the wound, and dissecting it up, stitclest is to the lips of the wound virtually transforming the present from a non-into a woman as car as he

armary apparatus was concerned. The section shown in the our fally illustrates this point. Though the operation insted evarly our boar, the patient here is remarkably well and rained from the shock in a way short time. From that period out the change in the



patient's condition was remarkable. Improved appetite; regular bestels, solite constituted pain; entire withdrawal of the morphia, which had to be obtained and to allar enforing; in short, general representation till the tenth. He milted at ours, and from the date of the operation till the considerationing of the would, which took about those words and a built, to occulify superved. When he desired to make mater, he would take a full size female catheout, put it into the armicial measure and pace it dispetly into the bladder without the dightest officialty, and, though he died some time after

from pneumoses, up to that time he had no trouble whatever with either his binder or upus in any way. The cut, bg. 2 shows the



Fro. 2.

site of the external mestus, and site of the invision through the perincum. By this operation burnan life was prolonged, and burnan softering relieved.

AN DESIGNATION OF THE PARTY OF

Ventral hernias are not at all uncommon and large ones have been reported from time to time as appearing in the public hospitals of our large cities, but I so not believe that a case as large as this one is frequently more with in private practice.

On the 18th day of April 1885; I was called by my freed, Dr. J. H. Benedict of Danbury, in consultation (with a view to an aperation) to see Mrs. P., aged Berly-nine, American, married, so chadress, whose health for some time had been very poor, which was attributed in a measure to this immense furner, though she had chronic broadchitis for a long time. Bhe was then in bed with an arms attack of that malady, and consequently consoliat doubleated. Her leatery of the forms was as follows: About ten years ago while she was wringing not some clother, and while in the act of



leading over the tab in order to do so, she left something give may, and shoully afterwards she noticed a small unbagoness, which commenced one inch below the unbillion. It gradually forecases in some fix about five years, when it seemed that the carried all of the insertions in this artificial cavity. At the time I saw nor the

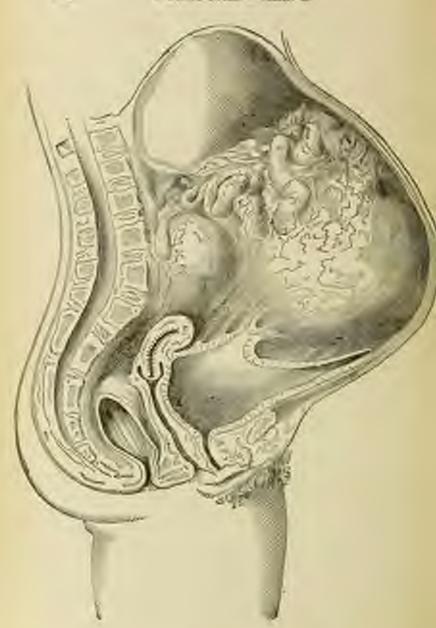
times measured ten and one-half mobes in its short diameter, and thinkers and three-custiers in its long one. By main it could be reduced about two-thirds and the opening was estings that there was but little, if any stanger of strangillation. We devoted to have a true made for a which are has alone were. In a need letter from Dr. Benedict, he says. "It does not trouble for an runch as it did when you saw it. Some mornings it is not larger than an orange. Her family a good and she had a much bettee?" The end alimitation her combition better than I can describe it.

AN OCCUPATED COMPLETED STATISTICS — SECOND SPERATION IN THE PARE PATIENT — DEATH.

In the write of cases I presented hat your was that of a surple eyet of the left overs in Mrs. N., agod sixty-two, American, married no children on whom I operated on the 25d of February, 1885, removing a tumor weighing twenty-two pounds, and which resulted in a raped and complete recovery, the patient getting around the house is about three weeks. At the time of the operation the right every traccatefully examined and no-trace of synthe degeneration was dissertible. Some time during the mouth of August following so entential me in reference to paint in the abdurting early see-cated with difficult and produl metarition. Supposing the she was suffering from a simple existin which the symptoms in described cirarly simulated. I gave her a prescription for that trouble, which is a nessure relieved ber. In a short time, however, the symptoms retirmed and increased in intensity until about the middle of September, when I was called to see her again. At this time also called my attention to the site of the incist a made of the time of the first operation and informed on that the through It was begreating to believe hithe more than total, and sommed that it might be a somerening central bernia. At the time I say enired her and to my amanenest I found that she had a small eyel of the right orary, and that the constrout which the lad own placed of all along were due to pressure and probable adminion, I gave be published remodies for the urgent remptons, and advised that do should mak author before the second operation was preformed, to his general holdly was very good. The pressure incrossed involving the Idulfor and return, transmost bring present to held organs. The pain from this runse about was so good and constant, and as the peneral leads was becoming augustus. I placed

her on a preparatory treatment commuting of careful attention to the skin, bowels, and administration of a liberal dim, and on Monday, the 11th day of January, 1886, with the anciouses of tay friends, Ductors G. L. Porper of Bridgeport, L. D. Wilcoxson of Newtown and E. M. Smith, my associate in practice, I operated in the following manner. The following auto-space precautions were taken. Our hours before the performance of the operation, the toons was travel with a openy at corrects and which was continued during the whole time. The sponger were just in a solution of behionds 7 to 1,010, and the autraments in a solution of cartolic stick I to 38. The tangerstate of the room was at about 44" Previous to the operation the room was thoroughly channel, the walls whitewasked with earbolized wanterent, and the flynn scrubhed with a solution of cartoric acid, all of the behilting having been washed in a solution of the same. Just before the patient was taken into the openeing room her bounds and bladder somewarnsted. Twelve hours previous do lad taken for grains of question After the pans were shawed and well employed with e-speed water, and lattical with a solution of bichlerals, an maistive along four inches long was made a little to the right of the sile of the old mentrix, and the tissues rapidly divided. De passing the const through the wound into the abdominal carrier, it was found that extensive adhesions were present. As many of these as possible ware broken off with that instrument. The patient was then turned upon her tide and the concerts of the one orangest with the trocar deried by myself. After the patient had been replaced in the recumbent position, the six was drawn but in his as the adbesions would allow and the work of separation was begun. I first found that the me was so firmly attached to the operation, that two ligatures were thrown around this viscus and the onentura straight between them show to the attachment. After this was done the transverse colon was transf to be termly miled, which Was patiently beyond from: Then the wiver addenings of all were found existing between the Madder and the syst. On examination if was simply impossible for any one to bell where the bladder commenced and the cost ended. These attachments were at the knoof the blacker, and it was not until the sound was passed into the Madder itself that the line of demandation could be made out.

The squaration of the bladder required, under these circumstances, a great deal of time and patience, but it was finally accom-



plished. After this was done a second crist, a small one, was found bying under the first one. This was emptiod by arcidentally repturing the sec and the contents second into the abdominal carrity which was rapidly sponged out. On further examination the sac was found to be deally adherent to the nature and the policic times belond. These were backen down, all except a conditionable which were no finally stracked that it was desired to be then recent, A double contributed incominged ligature of alls was their theorem around the stamp and the me removal. During the whole question there had been an unusually small question of blood lost. All if the blooding points were acquest with the causary, the entity qualited one with a 1 to 2,000 miles on a brillerials, the opening closes in the usual way and the retail completed.

The operation factor one have unit three-quirrent. The parties was pure in bul, communical with hot houles and a quarter of a grain of morphise given hypothermically. Pure 1906 temperature 1907. The partiest rained quickly, and there was noted if any, attributes of shock. A text-e-partial of charge was given and he dispers in hundry was allowed at the companion was given and

8 F.S. — Palis 99; temperature 985. Gave another dom of champagne. Wants for constantly. Gave an injection per rodius of two inhibitopsenfuls of Mardocie's Liquid Pool.

Midnight. — Pulse 101; temperature 09.1%. From 9 rest to 12, several down of champagns, and one rejection of English Four level green.

From midnight till 4 a.m. rested questly, and only one rejection of the Ford was given, and one does of the wire.

Fana 2 to 8 mered well. Champagns and injection were green at 8 a.m. Police 102; temperature 99.4".

From 8 to 12 the resion quietly, donor most of the time, taking during the interval became brandy, champages in small dose, and an injection of the Food at # a.s.; temperature 39 4°, palse 120.

At 4 cm, pulse 129; remperature 1017. From 2 cm, to 5 cm, patient was very conductable and record quirely. At 5 e/clock a tracquerabil of Murdock's Lapid Food emigrou, and do retored a. In this interval the test three injection of the Food, also considerable ite and trainity. About one in three hours a hypoter, one injection of morphis was given. The pulse was strong and good; does not require so much son, the thirst not pogreat; breaks wind foody and as perspiring a little; in chierful and hopeful. Pulse, at 8 cm, 116; temperature 90.47.

The trestment was the same. Has made water saturally about epor in right hours aver since the operation. She slept will till midnight; a little resident after that; at S a M. the patter was 120. and bengeralum 1887. From this time to more overall up the evening the gradually green weaker, and though every effect our made to keep up the strength and strength her, it was all of me avail and she died at nine s, u , the third stay after the speculier A careful examination revealed to special fenderness; no femoraitis or other eridence of inflammation and no especial elevation of the temperature. She account to die of the simple falling of the rital forces to corry on the process of repair. There serve esse as operation of this character, where the adhesions were so much arous, firm, and extensive. The upst account to be fairly glood to all of the contents of the abdominal entity and to the colvic tises. surrounding. Sometimes our monoconful coun come a greater lesson illan our recognil ones, and believing this to be an aurenally complicated one, I have reported it for the formus which it convers. It shows that a great number of firm adherons may and do form without may apparent symptoms of inflammation of the personem or the contents of the abdominal earlier and record, this even the most formidable cases, when the operation common considerable time and skill, may recover, as I believe title one would, had she not had two of these toprations in the mass gree, Being of a naturally deficate constitution she could not must the all ratts.

I do not believe that so formitable an operation, involving a many organisand followed with absolutely soliding or no indication of inflatomation, has been frequently recentles. This amountly I for to the washing our throughly of the abditional vary with the behinded milition. The surroungs of the patient trial pressure and pain causes by the cyst, marranted any operation trialing toward militis.

I have up to date performed farenty-one maristorder, with the drafts. The percentage of scotts may seem large, but it must be rencombered that more of likes cases have been selected. But have been taken just as they came to us in the ordinary run of practice. The out accompanying this juper will illustrate beautifully the rundition of this poor patient at the time and just provises to the operation.

A CASE OF INTRA-THORACIC SARCONA.* By Du. J. W. Jawett, or New Haven.

In March, 1886, I saw W. W., again seventeen years. Pound the young man sitting in a chair, aridently suffering much for want of arrath. He gave the following history: Last August, when about to start on an excursion, is the screen probably on his collar, he associated that his sock had enlarged as such that his fourteends order did not fit him. This enlargement kept or increasing able a subsen and a half collar was too small for him. During all this time to bit as well as senal, and continued about his farm didles as farmerly. In the obser, he was stracked by passimonia, but made a good recovery. From this time, he was subject to more or less severe attacks of disperse, procupated with constrough, expectably when according stoburty. This condition gradually increased until to February, when medical aid was neight, which gave bittle, if any relief. The diagnosm as that time was communities.

Physical enumeration revealed the following facts: First. A condition of general massive.

North An anxious expression of countenance with short and labored breathing, with profitor perspiration upon the slightest exception, even that of failing, with accord parecesses of coughing. Tour attacks of cougling were amount upon making the slightest exertion, but not accompanied by expectaration. The press was fall, very soft, but regular. The appearance of the north at first suggested gottin, but upon a more mental evanuation this did not appear to be bemilde. The heart sounds were sormal, but feeling and quirkersol. Bermsoon revealed a need prealing condrain, vir. ; complete duliness over the entire chest, even to the cariely. Upon the back the area of dallness extended to a line about built as inch above the scapule. These search were not applified by change of position. Amendation revealed broadend breathing over the scapalar region. The lift side accord to be the man distincted. Large knots of various your were visible on the close at intervals. The month and tengue were very dry and red. Constant and aggravating theret, releval by a small

[&]quot;This was recovered to the positive of Dr. C. H. Adams, with whom I made the past markets examination

quantity of water, was a prominent symptom. The water, however, caused him much district. Cold ten sented to affeed him the groupest relief, and you the best borns by the stemach. He had some appetite, and relished and retained fried sensure better than anything else. The borsels were regular. The units was somewhat clouded, and was passed in considerable quantity. The dyspuses was so given that he was focused to maintain the sitting position, leaving forward with his head and arms resting on the table. His mind was clear, and the family history was good.

The case was diagramed as one of hydrotherax, with probable tuner in types part of the elect extending to and causing the colorgement of the neck. Gave sevent, "In grain every hour.

On March 10th, his contition seemed somewhat improved. The broatling was somewhat source he had been able to assume a more recombent posture, and had thin secured somewher. The assume had discussibed, the source was eleaner and all other symptoms from addition. He was decided to aspirate, and the needle was passed between the seconth and eighth ribs on the left side. We could obtain but a very small quantity of liquid, though the needle was portably astronome and brief in a new place, but times. The first obtained was bloody and filminens. Owing to the extinuised condition of the patient, it was deemed instrumble to aspirate on the other sole. Buring the next few days he experienced sensitive other sole. For medicines to had arsonic and clinicitings, given at insercals, which assumed to relieve its necessary symptoms, though his strength continued to grow less, and not was only obtained by sitting with the bend resting on the table or the back of a char-

Death work place on April 19th, from exhaustion.

Made a post-overtime examination assisted by Dr. C. R. Adams, on April 10th, in the presence of Des. Hall Boberts, and M. J. Adams.

The obest cay to sum the only ten opened. Upon making as incition ever the nomium, considerable service fluid was liberated, After dividing the rootal carninges and assempting to raise the currount, it was found to be so clearly addorrent as to reconstate the use of the knife to separate it from the medications and pericardism. The pericardism had the appearance and consistency of fibroid from. Cutting through a quartery of service, providing was then found to have a thirdness at the apex of the heart, of half in

inch, and as the base of two and one-half inches. This growth involved all of the great vessels at the base of the heart, and the copplague and becomind thank as well. It also extended up and fitted all the space under the seconds and classicles, and as high as the cracial cartileges. The longs occupied the space insuch stelly anterior to the scapille, and posterior to the amount growth. The remainder of the left positial casely was completely filled with elorgated, secrated bands of organized lemph, boding in the interspaces a sanguincous thad. On the right side the long had but two spots of withester, and a very much larger quantity of fluid was present. This fluid was not measured, owing to the difficulty mysterior in its removal, by the lymph bands.

The inner after removal was formed to have the following dimensions: length, thirteen inches: circumference, with cavity filled, fifteen and con-half inches; genuine thickness of perioardial walls, two and one-half inches; width of growth at displanges, name inches; weight of growth, three pounds seven ourses.

Prof. J. K. Thacher of Yale Medical College, kindly made a microscopical emunitation of the absorband growth, and found it to be a small, round-colled surcoma.

The heart was opened, and with the exception of being rather understood and more than usually fields, it was found to be in a healthy contition.

A CASE OF LABOR BILLARY CARPULL

By A. R. Hossieren, M.D., or Verson, Coxx.

I desire to call the attention of the profession to the following appropriate to call the attention of the profession to the following appropriate of inverte calculi, which for also and the farceable results following their discharge, are wrethy the examination and study of the medical profession at large:

Mrs. In of South Window, Compagned axty-five years has been to not my case and affection at various times during the paid three years. I was first-called to attend has September 19, 1882. He was then suffering as I diagnosed, from the passage of hunry solveds. The symptoms at the time were a personal discolarities of the skin, so over passes in opegastric and limitar regions, counting, str. The symptoms soon yielded to remother, and in a few days she was also to attend to her homelook dutter. No passage of mileuit discovered. Again, in April and May of 1884, the same symptoms more developed, but not of a sensor matter. The pollowish discolaration of the skin has been a prominent symptom from the fire attack, and long before medical and was summoned.

I was again called to attend for Normoles 15, 1885. She was taken the carp provious (Thursday) with the most nations pain in back and cole, extracting down the deight in fact all court to body, as the expressed hermall, believed by secure telling ventiting, on being able to retain the mostlest quantity of their on the executely attended to be under all receiving by mostle instantly rejected. I then courted to hypothermic injections (Stoggerite's relation of unreplies) in order to related any internal angles giving her from illustrate to treatly minimum one or twice a day, as the symptome called for, which is a minimum to back not bowell constantly applied, which is a minimum gave temporary relate.

These symptoms rentimed (ii) the following Purolay sight it ught a cook (more than the days), when they such my reason Ste than (dilutes a protound sleep, continuing till the next morning. I saw her early, when we expressed her if perfectly related of all passe and purong a quiet sight. Which tenderous masts perfectly on a state of the body.

There has been in execution of the braces, as no short and

teen made to reach that result. I then gave ber a powder of submodule hydraggyri, containing about twelve grains combined with puls, aboliarle. At night these had been no movement, when I reduced a strong decection of Sci. commissa, a subimpossful avery hone till result followed, giving impressive orders when a movetions took place to three-gally wash the deposition with water and set if any calculi about appear. The first movement brought away the two beautiful speciment which i have the placetee of presenting for year importion. Assessment had to be weekend



her to enable there to pure the sphineser. The weight of ten is one hundred and (fly-three grains (155), the other is one hundred and forty-three grains (143). The unsurements are 1/4 inches in longth, by 1/4 meless in diameter; the other 14 inches in length, by 1/4 inches in diameter.

All movements were thoroughly reached, but no other calculiness discovered. The most wonderful thing about them is the was and that the dust about so supered and thus allow them to puss without being replaced. The good ledy is now able to attend to her household duries after a sour-what proteomed recovery.

I am fully satisfied that more cottoff remain, so the pullstrish lings of skin costimus, and occasionally solvers passe are fell, and the only coordinate and I can give her is, that if any more alleman to pass there can be hirle doubt of their sub-delivery. The enterquent treatment has been principally the fell-oring product:

> B. Pary potophyllin, grail. Blearly sola. 3 //. M. Pt. court No. 345.

Sig. One powder to be taken in a little water after each usual, the office of which has been to keep the brands perfectly regular, and the action upon the liver favorable. Of all the many cases reported in Dr. Jackson's makegin of the Warren Museum. Boston, Mass, there is only our specimen that is larger than these are; that was a case which occurred in Dr. Franess Collimers's practice, of Pendroke, Mass., in 1862.

"The calculus was of a barrel shape, I I inch by I I meh, light colored, restarbably compact and smooth upon the surface owns a lady over-eighty-two years old, who was suddenly attacked and severe pains in the epigastric region, followed by names and was sing. The symptoms continued for ax days the gradually associated, and on the seventh day the calculus was passed from the leavels, with two or three smaller ones, and with very severe pain. Convolunceous rapid."

Time it will be such that the above specimen is only $\frac{1}{\sqrt{2}}$ of an mell-longer, but not so large in discorder, so those presented for your respection. The specimens have been presented to the Mothers Moseum of Yale College for only despine.

Various Cook, April 4, 1685.

OBITUARIES.

WILLIAM WOOD, M.D. EAST WINDSOR HILL

By DR. S. R. Beignar, Westson Locks.

Dr. William Wood, see of the Ber. Luke and Aum (Pesse) Wood, was form in Waterbury, Conn., July 7, 1822, and died, at his home in East Windoor Hill, August 9, 1885, in the sixty-fourth year of his age.

His father was a Congregational alongmus, or in originated in Somers, Cours, officiated as paster of the Pirst Clearch in Wighertory and in Clearlife, and for a time served several other churches in various parts of the State, finally returning to Somers, where he remained sift the close of his life.

Dr. Wood received his early education at the aculrusy at Old Killingworth, now Climton, Conn., and under the private tot enhigh of Professors Marsh and Loverm in Vermont. He was againful for the Semon class at Yale College, which he had haped to enter, and graduate at the age of seventeen; but failure of his eyes. which he had accordant in study, proyected the realization of this loss. He interpretty regaged in touring, and was principal of the analomy in Windsor, assistant teacher in the academy at West-Edd, Mass principal of the tigh school at Wohiter, and austiant tenedier in the Paysion School of Harrison China. He mad modione with Dr. Amon Wood of Soners, attended lectures at the Barkshire Medical College at Pittsfield Mass, and at the University Medical College of New York, graduating from the latter in the upring of 1947. In the animan of the same year to opened an office and communed practice in East Window Hill, where he command in the regular discharge of the dation of his calling till the time of his south.

Navember 2, 1818, he was murried to Mary E. Elleworth, daughter of the late Deacon Erastes Elleworth, a preminent entern of the place and one to the principal founders of the Theological Institute of East Winston Her. Mrs. Wood and the two-kilders, horn of the isomogr, Mrs. Exambell Sperry, and William R., east vite burn. Mrs. Dr. Chalis of East Hartborn and Mrs. F. A. Brown of Hartbord, my his coolers. Mr. Linke Wood of Clinion is his only envelving brother.

Dr. Wood was very enthroastic in the sindy of meteral forters, girting especial attention to the origints of eratthology and origin, and collected a large sumber of specimens in seek of those depart. merze. In numberar he had few experiers and his rabbest of both and their eggs was water, known and prostly almost, being one of the about to the country. He had also a great murder of Indian roles, and of old and curious things, collected with such care, from places near and remote, which he kept stored in a room ever his offer, and which he was pleased to exhibit, and expirit to the numerous visitors calling to see his collections. He was an recasional eventiflutor to the American Necessitis; wrote a series of townty-one acticles on the "Repursons Birth of New England." published in the Hardred Times on 1801; was becomey member of the Liverum of Natural History of Williams College, and corpopositing number of the Numall Omithological Clab-of Cambridge. Mars.

Dr. Wood was a man of a very gental and friendly nature warm and hearty in his greetings and especially enjoyed meeting his professional beethiren in the several medical escicles with which he was connected; and would be at much pame and inconvenience rather than be absent on these occasions. He was one of the two or three organizers of the Hartford County North Medical Association some twenty-eight years ago of which he was secretary from the time of its organization till his death. This society proved to be the more of tends pleasure as well as profit to the physicians of the form or five educated to man who constituted as memberable. The mortings being quarterly, a frequent opportunity was laid to into change of views on medical topics, and for friendly and social intercounts.

Through its means, also the few for professional exprises, before larrily adoptate for a bare support, were brought up to excelling approaching a resonable compensation; though still only opeal aabout half what is paid in Harrison for the more service. Br. Wood was active in offseting this change. He believed in charging for modified services, and in collecting his hills of such as were able to pay. He had not rough patients with that class who, by their views, have placed themselves almost beyond framm sympathy and for-bearance, and have become misuness and borders upon sectors. But towards the unfortunate and worthly poor to an erroral the termdest aboutly and beneroleous, giving from an aboutfully of his time out services, regarding to see his own impage, when gratitude as much companionally. The field of positive wes large, extending for late adjusting toward; and in times of general solution again have been very laborrous, measuranting many long and thenomerical

Although he devoted much time to the sorty of the assural scenera, for which he had great tases. I think he did not do this to the neglect of his medical reading. He was a man of great indistry and activity, and an early meet, and by a systematic list of Air time was able to gratily his notes without neglecting his during se a physician. In the standard medical literature he kept himself well posted, and also fully abreast of the times in the poored. ingrovements and discoveries in malicul accura. He was conocalis a good and skilful plysician, of keen abservation, would in julgment, careful and thorough in the investigation of disease; for allon error in diagnosis, or in the selection of mondia too. smind to the indications to be builted. He am took a heely intersed in his patients, was prompt and faithful in his attendance, kindand postle in his manner, warm in his sympathies, and evaluable current in his endourse to do them good. In this way he corried and son the confidence and extern of the many families of in. times of penil, were willing to trust their health and their lives in his hards.

As a citizen he was attenued in all that pertained to the best interests of the community in which he level, was a member of the Congregational Clierch, and for thirty years harder of its client in many luning rarely about unless when compilled by tergent professional states. He was a most agreemble reason to must at his norm or classifier. He was a good talker, and had a large tand of anomales, made told a good story, and imply a heavy large. He was naturally dominate in his toose, and was most tappy in his domestic life.

For many years during the interpretation of his life the doctor had been subject to attacke as suddless and severe points the region of the right originations, for the right of which he missily kept some mastrings at hand, and it was in this answer, while out with a transformjoying his favorite representation of fishing that his last it may began. Not touring his usual concedies by him, its retirement to his hierastic great pain and distress, and failing to obtain relief to anything as could do for himself presently called in some of his moderal triends. They promptly responded, and did all in their power for his relief but without arrait. He sank rapidly, and died in his item three days. The anticpey reresaled the presence of gall stocks—two of very large size—after and perforation of the dendermor, busing to personner, which around his death. His sufferings, which were extreme, he have with the most usually furtitude and positions.

DAVID ATWAYER TYLER, M.D. NEW HAVEN, By Suppose G. Human, M.D. New HAVEN.

The members of the probosics who distinguish themselves by brilliant discoveries, which confer upon markind great bounds, and make their manes widely known, are extremely few compared with the emirrade of columned, skilled postitioness who give character and inner to the profession, and non-for it the respectful formage of every community. The subject of this shrick was one of these, and be illustrated in his tife and character many of those strong qualities who half our admire, and which in the physican endow him to those who are profess by and can appreciate his self-designing admirestations.

For Tyles was been in Northford, November 16, 1818. Unstreet by a notional defining of construction for the laborates compations of the farm, and being strongly influed to impray pursuits be bound the funds of a printer at a mean of going the necesnay funds for sequiring a liberal education. He was so far sectomed in this that in Barri, Arademy at Coloresto, he quarted broadd to make the September state in Yaro Cologe, but the indice has of an arademic strained proved a information and freeds for ideals health that by the advice of interaction and freeds for ideals and interest tomard as a student of motories in the office in the late De. N. II from

He was a favority pupil with Dr. Ives, and received from him. many oridences of solvern in unusual facilities for seeing practice. and of treeting he himself considerable numbers of patients. He sojoved also the advantages of distants foctures and office maraction from the late Dr. Eli Iven si that twee the professor. of precious medicine at Yale. Those who know personally or by resociation throse gentlement, factor and may will not be surprintle to beam that, while Tylor became, under such manuscors, thoroughly trained in all the elements of medical science then taught, he became also an supert and enthusiasis because, and someof an intense findlarty with our indigenous materia medical or that he used this class of remedies as well as all Blane in allow years, with negaritable shill and a receiving in 1816, the degree of the distinction for read as his inaugural thesis, a "Discretation on the Heliantacorum Canadonas et Porymhumm (Front week, or from man), which recound from the perference analysisted attentions

The bulanced description of these plants corresponded, of course, with the given by the peopled authorities; het is describing at length the medicinal properties and therapoutic value of these two behantlesse (speaking of them as one), he brought out, for the first time stated, as over of facts until then me generally known Percically, he radiated and the place to the profusion not see a rabilitate to any other roundy, but as estitled to a distinct place by itself, as a declarement of green warms on workful, in all its various manifestations, as well as in wasterlay and horoup artific lis. He emported in clares to pre-missive as a roundy in slose rises of those, by full and district reports of cases treated with it by himself and others. He was a quantity of the plants to Dr. Isaac Parries of Philadelphia, who used then among his patients a Willy Hospital with Wry satisfactory results: The and public nation of the frest-weed is to let found in this "United States Hopematory," ediction of 1845, in which De-Partish gives concurrent testimony in its favor, and quotes from the discretation, which by the advice of modical frames, was pullished in the same year.

I tuned to be a free bit graduation. Dr. Tyler began practice in this rity, where he constant to reside until rempelled by protermed till braids to will draw bits out from artive business. He suffered on many recessions from pulsacours becomings, but contunnel facility to accord upon his patients year after year, ander a load of painful and deprecing simbilities such as I have selding waterscal. His love for account somes kept him much in the open air, and to the he autitumed his prolonged life and the seaso meeticins of health he empoyed. There have been within the water's scornedge according to appears of present who ententied him for the result of symptoms of arithmet interestions, and when he induced to begin the practical study of belany, himself giving them their test become a the field. The wealt in each case was a restoration to a combinable degree of health while field-work was resultance; and in our case of pronounced tolerandom the gratheous flord for many years, and attained a degree of codomics as a bolamal, whose come was known about

Dr. Tyler processed a lappy, electrial temperament. He was endowed with process of perception discrimination and ambyes of a high center; and the initiative superly with which his mind deterted and drew both for critical enamination the centraling faces and emphasis of a complicated case was remarkable; and, as might have been prescrited of him, to developed early in this as a parallely encounted general practitioner. If his made especial study of annuling it was of decrease of the large, the kelings, and the skin. He was a man of profound ofspious completion, and as made in his model and profound ofspious completion, and as made in his model and profound offspious completion, and as made in his model and profound of the plant in the processor of the user the proof prominents in the great qualities would otherwise large found upon how, he was amore only exceeded as one of the user able spright, and honorable teem in the processor.

A wide and varied intelligence combined with a guntle assuing manner and exquieze fact, rendered times welcome visitor in every sink-mean, and general for him the combiners and tore of all with whom he was brought in centary. He died March 27, 1885.

ASHBEL WOODWARD MD, OF PRANKLIN.

By P. C. WOODERING M.D.

The death of Ashtel Woodward, M.D.* of Frankin, Connects on, Department 20, 1835, closed a long intonous and emissionly meths runeer. Dr. Woodward true born June 26, 1884, in Willington, Come the acceptal form lying on the borner line, parity in that town and parity in Ashford. Freedoming at the Medical Department of Bosedom College in May, 1825, he midded two months later in Frankin, where he centimed in residential the end.

As a physician Dr. Woodward was noted for quickness and accuracy of perception. In the strices on sorting escaped his effection. He was especially encounted in desperate cases, detecting with the rapidity of intuition the eligiblest change in the condition of the patient, and anticipating every energency.

The estimation in which he was held by andical bestiren is those by the trues confided to him, and the discretions conferred spon him. Bestiles filling many other positions to was from 1888 to 1881, provident of the Connection Medical Society. His annual addresses on "Life," "Modical Krhich," and "An Historical Scatch" of the Society, attracted much attention as the time, and are still remembered. He was also from its formation in activated disciply interested member of the American Medical Association, and an accounty member of several State societies.

In the early days of the Retellion in was appointed by Governor Backingham one of the beant to examine surgeons for the value tore regiments of the State. Into the modest for the preservation of the Union bettered his feelings and efforts with the artise which thereformed all his materiakings. As the draw upon the construct of the country became more pronounced, he decided to go to the fresh binned, and as surgion of the 16th toric, shared in the steps and rapares of Port Hodson. He was then nearly start years of ago, and his friends attempted to discourage the purpose on the amount that he was to old to bear the privations and hardeling of life to camp. Indeed the structure nearly proved true, for on his return home, after serving out the term of substance, he can long and thingerously ill with make all forms.

^{*}Arther Woodward was the separate in descript from the hard Woodward, who maked in the oday Appuint, at Special, Expend. Applied, 1024, and accordance to the purpose for all propriates of Wasterson. Black. The Woodward promotion is present to the Branch Room a Harman of Wasterson.

Although driven with protonienal work, Dr. Woodward in more was found time to accomplish much with the year. In addition to the addresses already referred to, he contributed immunity papers which are preserved in the "Proceedings" assumbly published by the Connectical Medical Society. At the request of the books of General Nathaniel Lyon, he prepared a hisgraphy of that early marter for the Union, who skill as a solder was not less enugiroros than his devellen as a puriot. He had prevasoly unitsua sussession of Colonel Thomas Knowlbon, a grand-unclosef General Lyon on the nanomal side. Colored Knowling commanded the sortionately emission limited the rail femous at Hanker Hill, and was killed in battle at Haristo Hogista Sectionber 16, 1716. Just Monorli of Albane, in 1874, published a small volume written be-Dr. Westward, men "Wangun" -- a subject to which he had given long altention. As a member of the consulting of arrange ments, he work an artise part in the calcheston of the two lonsdisth unrevenues of the nuthingua of the town of Norwick, Sintruber 7 and 8, 1859, and for the book containing the records of the great furnished the paper on the "Early Physicians of Norwick:

Obtable 1s, 1008, the Congregational Church of Franklin-relationed the one lumined and afrech annewmary of its organization, when Dr. Woodward delivered the historical address. This was afterwarm expensed into a "History of Franklin."

Dr. Woodward had great fordness for local statured will impossibly for grandogical investigations. His knowledge of the liverages of old New England families was catemics and at instant commant. His workings or this case of subpers are to be found in the New England Historical and Genealogical Register, and in other publications

Herring life he was a reliefor of rare backs, pumphiets cours, Indian relies, and subagraphs. In permunishing a lifeary he made a specialty of fown and county histories, and of managraphs of important events.*

The Work and was more of the most tenting of the Santa Arm Sant England one open the mile of the Santa Santa

Promoutly combood Dr. Woodward was a unsubst of the Congragational Church of Frenklin, and more search in effects to sentain and strengthen it. He was not only a derent but also an asynomicing believer in the trackings of Christianity. His last Sursky on earth found him in his non-stoness place, officiating as almost.

Inding his torg term of active service Dr. Weedward monistered in sek ness to at least are successive generations, and from the beganning to the end communiced the sequilified confidence of his clientage. Office appealed to for counsel and guidance, he was never known to discuss or even mention a molter that came to his knowledge in the successes of professional intercents. Scrapplices in performing the work of each day, thorough in all undertakings, intolerate of share and proteins, direct in some and methods be pursued uncompromisingly the patheometed out by his competitue of duty. In some respectable account to having more to a former age than to the present. On the numerical side inheriting from a clement amounty the seem theological opinions of surly. New England, Dr. Woodward himself in bakels, sympathies, and character, was a marked survival of the Purnance.

His wife (Knolline Bicknell), to whom he was married to May, 1832, with two cons, curving him,

BAMUEL HUTCHINS, M.D. DANIKLSONVILLIK. By H. W. Horon, M.D., Perkan,

Samuel Hutchins, M.D., son of the Throphilas Residue was been in Sections, Mass. June 5, 1818 received a classical education in Providence, E. L. read motions with his father, and, also, with Dr. L. Miller of Providence, attended lectures at the Harvard Medical Codege, and graduated in 1841, commerced practice in Daulyloowith in 1842 and continued there, with the exception of the year 1849, which he spent in California, until the time of his death. After his settern, in 1830, he married Miss Ellen Winsherland, who useful being as are also his four doughtern. He had one non, who that before his factor.

Dr. Hazenine was, at the time of his worth, one of the oldest

physicians of Windham county; he was table in high cuteen by the medical probassion, and at the time of his death was expressident of the Windham (Numby Motical Society, was president of the (Venezzient Medical Society, and, also, had been United States expension for parameter for Woodham county.)

Dr. Horshims was a more of marked indiridizality strong and doubted openions, and under it access that broader exaction he carried a limit on conductant sensitive on a variance. In amy human in this vicinity, where there has been poin and somes that no human shill could alleviate, his strong and hopeful symposity will never by forgetten.

He structly followed the regular practice, and had no intercourse with anyone in practice who had not a diploma from a regular medical school. He was no enthusiant in his profession, and always responded to regular calls uniteral respect to person, lite had rare good-sense and was a safe practitioner. In 1855 he have a member of the Congregational church of Danielson-ville, of which he was one of the most reliable members. He served several years as a member of the Board of Edmann, and held many beneath offices with much coulds.

He was a man whom to know was to respect.

Dr. Hurchine departed this life January 16, 1810, of angine pertons, having term regaged as usual during the early part of the day. His presence will be greatly missed on the streets of Danielsonville.

ABRAM MARVIN SHEW, M.D. MIDDLEFOWS.

By J., D. Epockeron, M.D. Ministanium.

Abram Marrin Shew, tale superintendent of the Cenners of Hospital Scatte Insine located at Middlerows, was love in Leroy, Jefferson County, New York, Segmenter 19, 1841, being the printend of a family of obvious obliders. He was the sen of Godfrey J. Shew, as influenced citizen and premional Person terian of Jefferson County. He was discounted from a German and learner who configures to America about 1710. His mother was descended from Countricuit provings. His proparatory introducsess grinted at the Jefferson County Institute in Waterweit, to which place his father sourced when Dr. Show was about eleven tours of age. When the way becke out he had been studying numbers with Dr. James B. Bases for about one year. He now distributed or prosecute his modical studies with the greatest expedition and attended vectors: at Jefferson Medical College, with Prof. W. H. Parconet as his preceptor. Through Dr. Bases, who is INCL was importantly printed, he because associant physician at the Asylum for Imane Convents at Authors, which position be tell for one year. This chromothese led to the choice of his specialty. He then returned to his second course of ketures at Philadelphia, and graduated at Jefferson Medical College in 1964.

Be was immediately appointed assistant surgeon of the United States Volunteers, and was useigned to dote as post surgeon as Billion Head, South Carolina. After ex months to took charge of the post toopital at Beautout, where he remained until the close of the war. Betarring to Philadelphia, he entered the Blockley Hospital as interes. Here he useds the acquaicmans of Miss Do., a hely widely knews for her inserest in the souns, who became markedly interested in Dr. Show, and though when he was later prominently brought to the notice of the trustees of the Connection Hospital for the Insure as connectly fitted to organize and take charge of their institution which had pure been characted. Leaving Box they he became assistant physician at the New Jersey State Lorantic Artifum of which Dr. Banelph was supermounted under to the tremmer at the principal, there he remained until he received the approximant of superinduction to the tremmer at the points.

The site originally chosen was sentiment of unit much inferior to the present location. By cornect offert he interested in grating for the intentions in present ato, with the communiting views and printer-step extinctions or, broking our upon the difficiently shaded earl of Middlesson and the robo Controllent spanises by the Air Line ranged bridge and bearing on the other transmissions and said craft—on over-rinaging parameters which furnishes constant small discussion and bears to their non-bearing the transmission of the paner institution. The distance from the town and trained section was decreased about a unit, an important practical paint gained by the clumps. He devoted the asterna and winter of 1846—7 to the units of hospital construction, materiag plans and hermalising medication. The specing of spring see the convexion and the laying of the foundation for what these convexion and the laying of the foundation for what these

second a very large building though time the proval its heaffclearly. Sot only have now mings been admed in accommon with the original plans, but two other large Ampitals have been our ad word and need and life. I must be some out goldler between own personal observation, and mostly in assentance with his More as estimate as taken dented it fatm, antillegges but an order be desired for the purpose to which it is desired. The summer stime was laid June 20, 1862, a day which our society should regard as a red-letter day for the commonwealth of Competical. the beginning of a new era for the purper income, who had proviscody less left to region in the form almoformer, or firmed our to the learnet hidder for their keep. I well remember as a lad rising our of the house provided for this very class, who are new so generously and knully eared for, as I may say, in truly degree halfs. A kullding no better than the pooner etables was remarred by a beggerd man, poorly, may, handly clad at all, emeriated, besinessed with fifth, his even glaving and sunker, his last and board unkemps, chained to the side of the building; around on the Boor lay the bones of the usual field to him, strayped of their last fiber. Such was the condition of a purper insore patient, largeless and incumirly, largest out in a persone family by the news ambarines. Our solo trans came that these might be gathered together and cared for, as was befitting to human beings created in the image of their Maker. Opportunity has grounly to do with the making of the may. It was only in cultivated Athens that Hippossites the father of our profession, could have shore. The world before did not afford sufficient effulgenco. So the persoon of Dr. Shew's private strong to was grand and program with opportunity. I think you all agree with me that the man mix thoroughly compitent for the accanon-

The the 20th of April, these the first patient was admitted. The rapolity of construction was in no Little degree due to his energy and capacity. Vermittily was one of the declar's characteration and I am senerally able to say what of all the things be dad, we the less done. The construction of the gamess buildings; possing them in proper order for the complication of patients, organizing the processed of the establishment, of study so suspertant and efficielt, he above these well adapted for that must responsible position above the unity dust in to be treated to so great an extent preticing bod, warmth, light, not treat one for so many; proper unit tary arrangements; the supply of water for ardinary purposes, and as a sufe-guard against fire; furnishing stupleyment and exercise for those to whom it would benefit; the landscape gardening which has made the grounds so lovely. Continuously from 1804 to 1886 has the process of growth kept on and from the litting of the first spade of earth till his death, so famous was he with the details of construction and management, that he could give any information desired concerning either the buildings or the patients.

The continued record of his life is the bastory of the institution. The completeness and symmetry of the whole are a fitting measurent to the exparity and faithfulness of its creator. There are comparatively less men who are able to accomplish great results and to command others. Such a happy combination of medical capacity. and executive ability is rarely not. His personal contact with both patients and employees brought forth most excellent results. I have never known a patient who did not speak most affectionately. of him, and well they might, for he always gave patent and sympathetic astenzion to all they had to say, and a pleasant and satisfactory reply. His amployees also received enterful consideration, and were sure of absolute justice at his hands. No our during his twenty years' receivance in Middletown can be found who ever knew him to forget his dignity, or give a hasty or angry answer. His self-theophine was simply extraordinary and entmently sured to his work as a student of melicine and physician of the higher order; you all are more or less familiar with the facts. The wonder is, that with so many things to occupy his mind he found time not only to keep thoroughly familiar with the literature of his specialty, but of all medical advance. When the nation faul that delicate task to perform - the proper disposal of an Excentive essent his judgment was called for, together with others ordered in the probasion, that luminity might not to diagraced and a grave mistake committed. I can recall no act of his life that has not been done to such a number that time and subsequent developneuts have failed to pastife his judgment and integrity.

He found time to give to the interactive of the profession the results of his observation and experience to some extent. Basides his annual reports to the trustees of the bospend, he wrote the following papers: "History of the Connecticut Hospital for Instance" (1876); "The Instance Colony at Gheel" (1879), "What can be done for the Indigent Instance" (1879). "A Gluero at the Past

and Present Condition of the Insane (1886): "Sanitary Arrangements of the New Hospital Buildings at Middletown" (1883): (California is a Health Besort (1884): "Progress in the Treatment of the Insane" (1885).

In 1878 in visital Europe, and investigated the treatment of the intano at various foreign anylitms, and also at the Insane Calousof Glock. He visited California several times and astended our of his trips to the Sandwich Islands. He was one of the trustow of the Knowll Library; a member of the Middletown Scientific Association, frequently renderg papers, and taking an active just in the discussions; and an active number of the Maldhdown Fouversational Class, who, of the National Association of Septemtendents of Hospitals for the Insure, the American Medical Association, and our own Comportical Medical Society. He was a manof level culture, interested in everything that constitutes good. society and the better civilization. He was a leading member and one of the executive committee of the South Congregational Church. His religious life was a prominent feature in energining. and his integrity was orisbut in all his brainess transactions. He expended millions of public money without a suspicion over having been suggested that a farthing was mosappropriated. Socially he was sharming as host or guest, always longetful of self, sugget to please and give happiness to others. This was a sureked characteristic, and I desire particularly to seemtion the direct present attention which he becomed upon his patients. He often helped them to get a situation when they had sufficiently recovered, and loss up a scortinual, kinelly interest in their welfare. He sent them little leasness from his own table, and brought them to town, church, resome entertainment with his own family, and in many ways blood the Hight which disease had east upon them.

On Wednesday, January 27, 1862, he married Mao Elimbeth Collins Palmer, daughter of the Hon Lewis Palmer of Water town, New York. She died January 19, 1872, of prospend Sever after the birth of their second shild. On the 12th of January 1878, he married Miss Chara Lemma Bradley, only daughter of St. L. Bradley, Eq., of Autora, New York, who died September 22, 1879, of diphtheria. Again, October 28, 1884, he married Miss Chara Brown, daughter of Mr. Sannel Brown of Status Island, who surveyes her bineard, as do a sen and daughter by his tirst wife.

Dr. Shew's death was caused through a fall, received while carrying one of the heavy case record books down the main staircase of the bospital, which predicted spinal concussion, followed by inflatonation of the spinal carefurance, and continuing from below appeards until it terminated his life, somewhat widdenly, by an apoplecide affinion at the base of the brain, on April 12, 1388. The funeral services occurred on April 15th, at two r, sr, at the hospital, and at four at the South Congregational Church in Middletown, under the pastoral charge of his intimate friend the Rev. P. M. Snydor, assisted by the Rev. Mosen. Townsend, Hill, Willard, and Gardinor. He was buried the following norming at Waterstown, New York.

LEONIDAS CURTIS VINAL, M.D., MIDDLETOWN.

By Wm H. Cannag, M.D. New HAVES.

Leceridae Curtis Viral, non of Waldo P. and Almira Rich Viral, was horn in Mouron, Marie, on June 14, 1818. When twelve yours of age he went with his father to Madanaska in the same State, where the latter was employed by the United States Government in establishing schools.

In 1854 he removed to Deep River, Count, and in 1858 to Maldietawn. He was educated at the high arised there, and in Justime engaged in the business of druggist, which he kept upfor eighteen years.

In 1877 he entered the medical department of Vale Cullege, and, while pursuing his studies, also ourged as apotherary to the New Haven Dispensary, which connection he kept up after his gusdustion in medicine in 1980. In January, 1881, he was appointed, on the recommendation of those who had observed his fiftelity and skill at the dispensary, to the position of deputy superintendent of the Issues Asylum at Crameon, Blocks Island.

In 1882 the disease from which he died first gave rise to symptome as of an intestinal ratherly, and increased in several so that, in 1888, he fait obliged to resign his position. He came to Breaford, and placed himself under the care of his friend, Dr. H. Fleischner of New Haven. In March he returned to his old home in Middletown, and wish there was under the rare of Dr. Rufus Baker. The symptoms of his disease were quite obsure, and Dr. Nitkemou of Meriden, was called in commitation, and gave the opinion that he had malignant disease of the intestina

He died on Jime 10, 1884. The autopsy revealed a sarrows of the mesentery glands.

Dr. Vinal's life was characterized throughout by a high sees of duty. He was affable to his associates; kind and affectorate to his family and friends; conscientions and skillful to bis patients.

He was coursed in 1874. This wife and four children purviyahim.

APPENDIX A.

REPORT OF THE COMMITTEE ON MATTERS OF THO FESSIONAL INTEREST.

Your committee have the honor to herewith report, that during the year the following questions were prepared and sent out through the "County Reporters" to every member of the society-

1st. What have been the provailing types of discusses in your county during the past year.

24. Has there been any marked increase or decrease of malaria.

34. What has been your observation respecting the prediquening cause or causes of malaria.

with. Kindly report may cases of special interest in may department of medicine, that have come unfor your notice during the year.

To make our reports for this year of special interest and real value, year committee respectfully suggest the importance of bringing this matter to the attention of such member of the society in your county at an early slate, in order that each county reporter may make his report to this committee on or before April 1, 1886.

While those replies have not been generally responded to, as we had hoped for in some constant of the State, still there is about, from what has been received by the assumption in the way of replies to the circular issued by thou, that there is a large amount of material, which, if carefully gleanes from year to your, would make our annual report one not only of practical value to the mostlers of the seciety, but a release of proceedings that would be among the first in medical titerature.

During the year your committee have been called upon to lamout the docume of Dr. A. M. Sheer, an active and valued member and associate on this committee, a gentleman of high professional stunding and one who was always determent in all active efforts to presente the present and future undelness of our society.

The interesting reports made by the county reporters, together with the individual replies from different portions of the Stace, and the cases of special interest are all berewith submitted for your consideration.

Respectfully,

CHARLES JAMES FOX, M.D., WALTER H. HOLMES, M.D.

Presentles on Matter of Professional Interest.

HARTFORD COUNTY.

Die A. E. AMERICA. REPORTER.

Dr. Abrama reports:

Collinaville is now (May 21st) being visited by an epidemic of a planeria and marks fever, although it now seems to have pused its height and is requiry shating. There have been several raof a malignant type, at least two cases dying within bromby-four hours after a physician was first summoned. In the case of sightheria there has been a marked tendency to mong there being four deaths from that complication within as many weeks. This tendency was probably largely due to the provalence of broarhiteand laryngitis, both of which prevailed to an minimal existiprevious to the rathreak of siphthems. There have been a few cases of praemonia, but less than the very general pravalence of other lung difficulties would seem to forbode. In my own experience, which for the greater part of the past year was confined to Hartford city and enharks, mularia has been less greenless than for the previous two years, most of the cases being of the chrysin type and not yielding readily to treatment.

Dr. R. Fox of Wethersfield, reports:

We have had no prevailing epidemic hors.

Scattle Ferry. A few cases of a mild type,

Mosels - More is number than last year; in teclased families.

Whoping Coupl.—In a less families; no deaths from the discuse.

Mularial difficulties about the same as usual, no increase; amonable to judicious treatment.

Diphthesis.—The result of using water ritiated by surface durinage, and core-pool too near wall) the type of a malignant character, confined outcrely to one family; its cases—three deaths. The first, 15 months of age, died in twenty four bours after I was railed to valid the family. At this time three other disiffers were prestrated with the disease—one 24 years, one 14 years, and one 8 years. Two others later on —one 12 years and one 20 years of age.

Those who seemmbed to the violence of the disease were of the following ages: 15 months, 8 years, and 12 years.

CASE OF CUSTICES.

BY A. R. ASEAMS, DILLESTRILLE, 1985.

The following case illustrates, in a very marked degree, the course and termination of acuts cyclitis passing into the chronic state, and the sequals of that condition. W. W., et. 14, was attacked while living in South Carolina ten years ago, with severe pain in the abdones, accounpanied with chills and fever. A physician was consulted who pronounced it due to worms, and administered unlistiminties. Later, a second physician was rulled, trio at once-diagnosticated cyclin. Under appropriate treatment, combined with mange of maidence to the seashore, the child improved so far as the bladder symptoms were concornelly but suffered from reflex narralysts of the left log during the following summer. In the early part of July, 1876, his parents cause purth, and he was placed under the core of Dr. G. R. Shephenl, now of Hamford, who has furnished many important notes. The child was often examined for stone in the bladder, her none were denoted. Proposit mictarities was a constant symptom; but there were intervals of eating freedom from gain in the bladder, which was washed out night and morning through a soft eatheter.

During August, immediately following his ensured north, there was a marked aggressation of the bladder symptoms. Analysis about this time by Dr. Stepheni show the following results:

July 19, 1976. Passed ten owners of usine with much pain and effort. Beart, ell., Spec. gr. 1997. Heat and aitric used both gave allowers in considerable quantity, but the uncroscope showed personal blood only. August 4th. Sp. gr. 1996. August 17th. Sp. gr. 1992. Slightly acid. Pro. blood, a few systim costs, and one or two yellowish casts; remainspithalium, and granular natter. August 18th. Sp. gr. 1995. No casts. Sightly acid. Strings of maco-pas, blooder spithelium, renal spithelium, and some five list cells with pass.

In June, 1972, he was select with an attack of search fever, which conduct him to the home some four as five weeks. During this discuss a considerable swelling developed over the left hidney, and was recutually followed by a discharge of pure through the bladder.

September 11, 1878, Dr. Shepherd ands the following notes: "Sp. gr. 1005. Acid (family so): Best and nitric send show allumen to be quite abundant. Under the microscope red blood corposeirs are seen, and since pur corposeirs in abundance. Result spirits/firm in a state of partial faity degreeration and wany crois are found also after careful search. I also detected one small blood cost. A few crystals of smale of social appeared at various points. The stringy deposit in the bottle containing the work of the blodder appeared to be pass and marra."

January 15, 1880, Sp. gr. 1005. Neutral. Little albumen, pan, and anall quantity of triple phosphates. During the subsequent five years there was little change in the progress of the disease. At longer or shorter intervals the swelling returned over the region of the left hid toy, accompanied with pain, and marked tenderness, often extending to the creat of the littue. The urine was signest invariably affailure, custaining a small quantity of allowers, which was considered due to the presence of yea, the microscope failing to show any casts or read spithelium. At different times it seemed that the abscess would cease discharging, year dissinished, followed by maces of blood.

During a part of this period be was sader the care of Dr. G. K. Roberta.

June 11, 1885, he was again examined by Dr. Shepherd, who reported the following condition: — "Urine alkaline; ep. gr. 1992. The Mood corporates, pas is considerable quantity: but no casts. Tendersons over the back sooms to extend down over the enset of the illumined the number are not as from as upon the right side. Patient passing a large quantity of urine, and looing flesh regolds."

Dec 18, 1885, he came under my care. He was passing from four in face pints of alleaine urine daily, sp. gr. 1805-1808. Was able to attend atheol part of the time, and engage in sports with other boys to some extent. During Polymary the abarem ugain filled, confiring him to the field for several days. As he seemed to have failed during the past three menths, the question of operative interference was suggested to the parents, who kindly exemented.

The arise was examined by these physicians separately, who agreed that the right kidney must be nearly iscaet, and that as operation secured advisable, if the patient oraid only from his present weakens. Under a toole treatment be seemed to improve for about two weeks, quantity of minu consentant diminished, about three plats daily. Its character was muchanged.

March 12, 1880, his mother thought be had a slight coursision in the

merring. He was excensions for a few moments. I found him with temperature 97°, very method, and manusted. Under the influence of minutiants and diameters he called somewhat; but his subsequent condition was never such as to justify any operation. The temperature continued below mercual, poles very langular ranging from 55–98. He complained of great uncontains over the region of the heart, and frequent momen.

Died, April 202, 830 p.m. Autopes, senesteen hours after death. Body nearly emagleted. Longs and Siver scenal. Walls of stemach sergelet thickened. Best sightly hypertraphial. Budder contractall so that cavity appearantly will not hold more than three ounces. Walls little more than one-half buth in thickness. Alght follow cirthatis, and contains only a low of listing these paper. Pelvin of left Allay complet by absent extending into the sibilines of the kidney. Cimbetic changes in remainder of kidner well advanced. United dilatel and thirteeol. Left hidsey must have been carrying on the secretion of terino atmost natively alone. I regret that I conset give the weight of the kidneys, but the specimens are now in the hunds of Dr. W. W. Knight, Pathalogist to the Marrierd Bospital, from whom I have not set recoved a report. It seems difficult to understand how a patient with an advanced kidney changes could lead a comparatively setting life printers may passife entires of anneances proposes until within a few weeks of death. The low specials gracity of the uries was partly stimbuted to the flow of serion from the carrier of the aboves, and conarguintly a more hopeful view of the condition of the right history was centertained than the autopey justified.

PYOPNELMOTHORAX -- OPERATION -- DEALNAGE --RECOVERY.

MY DE. J. S. STREEN, MARRIOUSE

C. S., aged three. Was taken sick on December 14, 1885, with what proved to be a well-marked passimation of the right larg, the left being somewhat aresteed. The convulences was tellions, the fover continuing more or less for four weeks. His motion was confused on the 17th of January, and consequently is did not receive the small correlatation-tion, and was allowed to well about the bount for a week. I naw him tene a week and continued time treatment without interruption. On the 18th of February is had a well-marked will and I was sent for by telephone. Failing to receive the message, Dr. Provide was called in sent treatment the contract the contract of the results and the first was called in test to be found for a week. When I now him again on the 20th with Dr. Provide, we found the right plears filled with daid, but decided not no applicate, we found the right plears filled with daid, but decided not no applicate, as the respitation was not surroundly emisurement.

The respiration rouged from \$2 to \$6 - princ 198 to 140, and the temperature from normal to 192, which latter height it reached on the 27th of Pelaruary. The treatment at this time consisted of 8yr, Perri Issial, Cod Lines (NI, and also Quintee whosever the temperature pase much above normal. There has been a unrived turbing of the right side for a week, but as the respiration was not opposite, we delayed operation interference waiting for marked pointing.

On March 6th, with the assistance of Dr. Fro-lish I introduced a large sized aspirator availte in the fifth intercontal space, and drew off about eightion centers of adorsos pas, which was followed by a little Mood. The character and frequency of the requirations were not aliah. closered by the speration, but the patient servical reflected somewhat. After withdrawing the aspirator profile, the mouth of the paneture was even to move in and out with the respiratory efforts, showing that the opening communicated with the bronchi. After two days, the temperature again arose to 1847 with rapid pulse and respiration, and enabed halging. Five days after the first operation, the north was again introduced, and twenty supers of fetal yes withdrawn. A soft enther catheter was now introduced as a duringer tale - the end being said -and factored by placter to the clost will. The emits was seaded cur with a solution of biobleride of moreury, 1-5000, using the aspirator for this purpose, the washing was repeated in two days. After the accord washing the discharge was educious, and the shill rapidly gained firsh and enoughly. After the first assignation it seemed that the child would lie. After the second followed by the me of the Mehleide wash, it rapidly improved.

April 18th, air seill passes through opening when shill eries at comple. Discharges sheat a traspectful of pellow pro during the day. Rowell regular, pulse 100, respiration 44, temperature around. Koops sell, garring in desh, and begins to walk about a little. Some dailiness in apex of right imag, otherwise image some animals.

NEW HAVEN COUNTY.

Max Mausores, Recorne.

Dr. W. H. Zink reports as follows:

I The precaling types of disease in this vicinity during the past year have been trybo-malarial fevers, true malarial fevers, typhoid fevers, gastrie fevers, premiseria, settle rhemanature, and optical necongains.

2. There has not been as peach malana as usual in this vicinity.

- The causes of malaria are, in my opinion, first, ignorance of smitary measures on the part of the general public; exceed stagman people and examps; third, end-in clumps of neuposature.
- 4. There was more typhoid forer in this vicinity during the past you than in previous years. In our bounding name of libraries there were four more all of which reconnect; and of these, after recovery, changed life quarters to another bearing-frome, and only afterward one of the bearders of this has mentioned house was mucked with a very severe type of typhobi fiver, of which hadied: a few flays after his fouth another of the boarders was attacked with the same fever, and he also had. Both of these men had always injuyed good health perviously to the last disease, and second of strong and robust reputations. The next rise that covered in this power was the little girl of one of the tenants; for the house was used book as tenaments for families and as a heardtag-bouse for labourry, and as a general rule there resulted in this home from twenty five to thety homas beings. The little galscaken of also recovered. The next patient was one of the hearthera, who was taken to his bome is Unition, and, as I am informed, propertyl after a long times. The pext class in the same loose was one of the servant girls, who at once started for her mother's residence, and there was under better santiary sanditions, and recovered rapidly.

I informed the tennels and boarders that it was my opinion that the mining conditions were very bad, and advised them to find better quarters, which many of them did. Among other things I informed them that the water was mile for use, and the country thought that I had injured blue we had come, and for that reason he sent some of the water to some chemist in New Haven, who condemned the water as entirely soft for use. It could surely not be otherwise, as the outbours and a piggery were to the ricinity of the wall and the self was in a most favorable condition, and the server from an many persons was thrown out all round this well,

About an trooks prior to the act named five cases the nother of the fittle girl spoken of was not with typhoid lever, in the same loose has recovered after four works' solvers.

The question arms, did the young man tring the germs into that home, or did it occur from the general but condition, and the delinking water? Dr. E. D. Swift of Haurden, Feb. 26, 1888, reports

 That the discuss treated by use have largely been of the anaesic type; toucky every case of acute disease has required the early use of some kind of supporting medication.

2 Well-developed malarial cases have not, I think, been as numerous as during 1884, though they are now, at times, frequently

HOUSE,

3. Exhaustion, from any and all courses, it is greel/posing catus.

There have been many cases of plumpagitis, some with fivid solar, with me without afceration of lateral macron membrane. Others of sometime, also with an without such besien. In ulcerated cases I have often found white or greyod-white expedition, without tendency to spread, of varying sizes and shapes, some small, over one totall, of perhaps one half inch dismeter, white over the opposite femili there were some half-doesn or some small white pourts of perhaps one-fortieth to one-thirdseth of an latch in diameter, instated, but compaging the same telestive position, others overlid in shape. Nearly all were accompanied with some fever for from one to four or five days.

There have also been an unusual number of tomilitie; seems probably aborted by the free administration of calcured as a parguite, followed

by Tr. Gusia's assessmentated, in 31, desire with neurlinge.

I would report the cose of P. L. and Isomty-Hore, good habits, except a fondaces for harring at night, therein deprining him of necessary cost; attracked at might, January 11, 1886, with eight, followed by fever, executing, and apparent intermedian of disease, and again on the Wolters day and Polday evenings following, with apparently a repetition of the same fever. Penting another attack on Salibath evening, he called me in the pretring of January 14th. Learning the above facts, I concluded his malady was purely interactions; ordered a entrantic (Comp. Cath. pills U. S.), a filteen grain dose of quintry Sulph, at 12 st., and repeat at 4 r. M.; did not visit him on Monday; but on Tuesday, 8:20 a. u. I found his temperature 101-, yalte about 100. Desireus of being about a few days I requested a reighboring physician to attend until my return on Saturday. I then found his abdomen tymosopitic some tenderness to right iffar region, some few or six usuall sed spats on lower thomx, dight dianhes, and marked deliviers. The case terminoled futvly on the following Thursday, and I report it that other physicians may thereughly ferentizate all their cases of supposed pure interactions. BOURS.

I would also report the cost of Mrs. II., aged about forty-two years, the molter of eight children, the yearspect four years old, whom I saw one week age, sufficient from complete retroversion of alerms, which we much enlarged and firmly indeniated within the polyie, so as to be nearly introvable; abdeson full, typopositic, and tender; perior 100, temperature 100, temper considerably leaded with investible for. My treatment has consisted in keeping the bladder couply, in well as the lowerly; foregrations of kep ten and alcohol. I for L and the foot of ker had raised elevan tacks higher than the bend; to-day her others has nearly resumed the natural position. I consisted to meetien what I betieve was an important part of my treatment, namely, Pl. Ext. Ergona, thenty drops every six hours, as also three grains quints three times a day.

Dr. Chamberlin of Cheshire, reports:

In reply to circular on Matters of Perfossional Interest for proceding year, I would earls:

- There has been no spedemic; but summer there was a slight necesse in cases of diarrhead disease, and in their coveray.
 - 2. Marked decrease or malarial discuss.
- Have found dobility from any cause vary apt to be followed by agus or malorial symptoms.
- a. No case of decidedly nerveus symptoms in a young man, in rang respects reminding me of "hysteria in the male." Becovery complete, as informed by attending physician. A short time ago I was railed to see a young releved woman after her unexpected death. On impriny it appeared to be a death from failure of the heart, after an attack of significers, which had not been reportally severe. No physician had seen the case. No post-marten.

Dr. Burritt of Southbury, reports

No prevailing types of discuss, and to marked charge is amount of malaria.

NEW LONDON COUNTY.

Du. F. J. BECKWITH REPORTER.

Dr. Paddock of Norwish writes of the non-prevalence of mainria in that city, and so mercure of typhoid fover over that of the previous year. Dr. La Fuerre writes to the same effect from Jewett City, and comments on the fact that the conditions were those supposed to be favorable for subtrue the street tering to m up and uses weeking all day in the damp trenches. In New London, we had a small pow scars at one time, in the cases were discovered in a tenement home. They were induced, and the disease was not communicated. There has been a notable fulling off in the number of cases of malaria and typical favor, due probably so the very energetic actions of our health committee. I hape in the fining to be able to get a home response from our physicians, and submit a better report.

PARRIED COUNTY.

Da J. W. Winder, BEFORESE.

To C. J. Fox, M.D.,

Charles of Countille in Matter of Professional Jahrett,

In Bridgeport, answers to question first, regarding the prevailing types of filemacs, have excited the following: First, our old
friend for enemy, realists, distribut and a few scattered cases of
dysentery and typhold possible during the animaes. Up to
nearly the close of 1885, there had been no marked epidemic, not
only during the pear, but for overal years. The general tons of
the city was a haddifful one. In fact, with an increase of descented in in the later. But we who have the ill-fortune of living on
the materians of others, have lately had plenty to do. Diphthesis,
atoch had appeared at various places and times specializedly, began
to rage with greater violence during the fail and winter. To the
city clerk from March, 1885, to March, 1886, there has been reported one hundred and thirty-one cases, and sixty-eight duties.
I have remon to betters, bowever, the all stars not reported.

In West Straiterd, which is contiguous to East Bridgeport, there have been a large number of cases. There being no formed of weal statistics there, these cases are unreported. Many of these cases have been mulignant, while others have been of a saturabilit form, and hald. The scenes of the discuss our in the num by contagion, though to come could be discussed for many. In some funding all the children commercial the discuss, in others, only one would be unition. During the winner, and impecially once January produces in his prevailed quite extractively, particularly minute children. One physician has reported therty cases

within the last two months. Cararrhal trenties generally have increased, and communities has element many victims.

The Coggowell reports from Stratford the prevalence of joint monia, broadmile, and general threat treation. No special type a reported from other phases.

In reply to the second question all the physicians have noticed a decided decrease in the number of malarial cases per a, but find that it is as complication with other decision. One dector reports, and I have likeway observed the mass, that during the past month, the number of malarial cases has becomed. Another dector reports he is assentioned to give quarter in obstacrical cases. It seems to be the general opinion, that while the score malarial discusse have decreased, there has been an increase in character malarial symptoms and complications.

Bespecting the causes of materia in the third symmton, the answers are generally like those given to commitment: "Give it up."

The Wordin says. "A great precupoutry cause of realerts in fatigue. Exposure to damptions is a direct cause." By Porter says: "Defective severage." Drs. Hop and Yanng think it may be partly due to "impure nater supply." Dr Coggravil of Strained, gives us a cause, "general deletity, low ground, and suggest water." Dr. Damblein sayer "Anything coming a delitinated condition of the grown."

Question four: Dr. May reports the birth of triplets two logs and one girl, weighing together sixteen pounds. All died at the end of the fifth week.

Dr. Holmon reports the renoval of so ovarian innor weighing forty pounds, on June 17, 1885. Tensor was unfiniteenlar, with many adhesions. The other overy was narrived, as a seas found in a diseased condition. The wound was should with other surrows, and was stressed anti-optically. Patient made complete recovery.

ACUTE NEPHHALOIA: CAUSE, MALARIA.

BY EXHIBIT LABOUR, S. D.

Mr. F. H., used 40, married, has always been in good health. Was railed to see him on the evening of March 12, 1886. Event him forble and debilitated from processom of pain occurring every other afternoon in the lamber region of the right side. The prime tree sharp, wester, cutting, lasting greens hours. Previous history. About three weeks before this, being engaged as a boole-keeper in the city of Buffalo. S. T., the pain first came subfeals, in the middle of the night. Gettling up to shut a window, an intense poin auddenly usiond him just as the visulow was shut, and he fainted on the spot. The pain disappeared after about as him, and he fainted on the spot. The pain disappeared after about that time, almost to the tour, another similar attack case subden and shurp, but being about three hours. Two physicians who were surrested, thought be westiging. It took him two days to recover. After this time the streams disappeared, and he seemed to be perfectly well. In little less than a week (five days), he had a severe attack in the dayting while at work, and other drocking cold water. This was not so severe as the others, but bated as long—about three fivers. Two days after this, marking again a septembry period, while on his may home on the care, another pass severe stack occurred, lasting four or five learn.

Subspaced history. The most attack came at eight o'clock on the night of the thirteenth, incomplore hours after my first upit, at which time I found him in the condition described. My mentment was Clirate of Litties and Conducting, go avi, daily, in these of gr. in each. The next day, the fourteenth, at the same hour, eight o'clock, occurred another attack of intense pain in the same place, and which hand some hours. The Circlemidia was immated to gr. xxxxi, daily, and the pain was postpoond antil force eight hours, the attack at that time lasting five are its hours. The treatment was changed to Warburg's Timerum, f Institute overly three hours, night and day, for treatment hours. This same affected the hoursh so that I returned to the Cinchondia, gr. xxxxi, is the treatly-four hours. After furty-eight hours, the attack returned at arreers as the others.

As the disease had up to this time not yielded to the treatment gives, I called Dr. G. L. Porter in consultation, who successed stopping the Cinchandla, and using American Acid, gr. J., supp six hours, as the other remedies had been well and thoroughly fined. The interval was again abortimed to transity-four hours in time, but in sensority was less than the others. The around was continued to outs fear hours, but before this period had passed, rist; at four rist, the most settle paroxysis of all began. Morphis, gr. 1, every half from was not selfbelieve to quiet the patient, and chloroform in addition had to be green almost constantly from the time of the attack until five in the neuraling. a period of sacre then twelve bosss. From that time I adopted a trestnorth of Quin, Sulph., ye. x, every six hours, night and day, for the or six days. There was no return of parcoysus, but the patient was left with weakurer, great positionion, abdominal tenderous, and nepublisty of the steroich. At no time was then any rise of temperature as fested frequently with a Blok's thermometer. The inter was research?

examined just before the prolonged attack, and was found normal in all respects. After the quinks treatment of six days, pro-quints pills trere alven. Some daily, with a regentable funit. This was continued for five days, and on the 7th of April in was well enough to ride not.

INJURY INVOLVING KNEE JOINT, ANTISEPHC TREAT-

BY BOXEST LATIES, M.D.

John Mayber, aged about 10, with no medeury to inherited disease, and having but no previous attituous, on the second day of January instants stored in the knee by an adea in the hands of a playmate. The instrument had just been sharpened, and its edge was like a mean's. A wound was made directly into the joint, the atterpening in just above the edge of the patella, and between the conductor of the frame. The house were uninjured, but the ligamentum patelle was entirely severed. The navity their resule was found filled with blood-clots, which, when seppt out with the flagor, disclosed the thinks seels of the injury. The opening in the skin was about three indeed in length, and the symmial field was entirely empired from the joint. Evening the tendency of this joint to inflance and produce unripless, or reconsiste amputation, I gave "effif have" as the best possible prognosis.

The endated the bones were carefully dried with a cloth, the parts pland arcentity in opposition, and bett by four stitches of cutput. Adhesive strips were then applied so as to remove all strain from the stindies and seal the waved. A saller bundage completed the dressing for the time. The patient was put to bed, and ordered kept quiet, a since of Roctoffe salts being the only medication. On the following day, twenty-four hours from the time of the accident, the purious was seen by Des. Martin, Goldery, and myself. Communical distallance. Was emiliely wasting. At no time did the temperature rise shows 100% Palit, nor was there any pale. The conditions were so favorable, that distributes seemed unadrisable. The collect bandage was, however, framerol, the planters and leg mere builted with a custofinal solution, and gause made astiseptic with highligide of moreons was applied on the kase both above and below. The leg from the tors to the hip was then made from and interceptive with a ullimor of rods bundage, the patient codered to remain is hed and give the limb shoulder rest. This to shoot of absolute rest was mountained for a period of these weeks. He was sinited every day for a week from the time of the lajory,

At the experience of the three works, the densings were removed in the pressure of Drs. Martin, Golfrey, and Werdin. The wound was found to be perfectly leaded, but was not deemed strong enough for any manipulation. Persh planters and baselages over the larre were therefore applied. At the close of the fourth rock all dressings were removed, the strares having been entirely absorbed; for the first time possive motion was gratly made, and the lash permitted to be used. Walking produced faintness, but no pain. From that time improvement in walking continued, and to the alone of the fifth week, when I saw bire at my office; there was some stiffers of the lower, which came from four of using rather than any permanent impairment of notice. At the end of the sixth week he ugain whited me, when he was able to walk without my pain, limping, or impairment of gait. The cure was perfect and complete, a result namewhat surprising. It is attributed to the assimpting dressing and the simulate rest.



Di. J. B. KICEL REPORTER.

Dr. W. H. Judson of Wauvegan, ands the following:

1st. Prevailing types of discount? Typholds, spidenic of meader, and tomilinis.

2d. Malaria? I have seen no case this year except imported ones from the Connecticut valler.

3d. I have observed no rause.

4th. As it is my fortune to have seen a rase of owners pointeding from follide of potascours, will have state symptoms:

He A. R. was not by a physicism who prescribed indice of pulsarius for his lanceness. Patient wort home, took a dose at night, one in morning. About eight o'clock, as hour after taking the account dose, I was called to see him. He was in a high fever, mucous membrane swelled even to his eyes, which were closed, his tangent titled his mouth so that he could not speak. From these symptoms, and the fear they created in the mun, he was suffering intensity. The assessed taken was found on investigation to be only foundess grains, in two doses ten hears sport. These symptoms continued gradually sharing until exeming, and the sext day be was amend as usual. There was no treatment except nothing applications.

In regard to the epidemic of annales in the spring L will give a few figures. There are about 40% children in the willage peoper between one and twelve years old; of these, 175 had meades, and of the 175 about affects died from brain or nervous symptoms. Most the proportion queted in books.

LITCHPIELD COUNTY.

De J. H. Norre Repures.

Dr. J. H. North of Groters, writes:

let. There is no prevailing type of disease, nor has there been during the past year.

2d, Epidersias? None.

3d. Typhoid fover, so far as we have been able to collect dam, is notice been thus usual throughout the county; another evidence, we think, of the beneficial offset of the operations of the State Board of Health, through the profession, on the public health, and summary conditions.

While there is no open or marked inharmony in the Latchfield County Medical Society, there still seems to be a lack of that perfect confidence in each other that is no necessary a factor in the sarmes of any association; and such lack of fraternal feeling, together with our hilly roads and difficult communication, have caused either a bare quorum or a want of one; therefore, our quarterly meetings have been discontinued, which seems to us not for the best, as we read in that grand book of ancient classics, "As iron sharpeneth iron, so the countenance of a man sharpeneth that of the friend," we can tily afford to dispense with the goodfollowship and possible progress that might result from a few interchange of opinion in frequent enthusiastic meetings.

We should be more from to relate to each other our professional troubles and triumphs, also to caution and counsel one arother for the advance of the science and well-being of banualty.

MIDDLESEX COUNTY.

H. W. MATHEWAYN, M.D., BEINGTON.

Dr. Mathermon reports:

In the towns of Durkam and Middlefeld, where much of my beniness is, I do not find anything special to report. Malaria in diagramed forms still pervails about ne senal. Searlet fewer has provided; two faint cases in Middlefeld. Diphtheria in a mild form with two faint cases in Durkam, which I counted was owing. meet to lack of care and treatment, than to my malignarry in the disease. I was subsequently called to new cares in the family, and found that it yielded to the modern treatment by iron and pointle alternately every hour, followed by spraying with carbobic acid, etc.

I have a positior case of tradigment disease to report, which I related to the contaty meeting yesterday, and showed pathological specimens, which I will get ready by the time of the convention. I supposed it to be Hedghins' disease, but all the specimens commined by the microscope proved to be convinced. There were lettered of salarged external symphatics which by metalor were not examined. (These given bolows)

Dr. Hanen of Haldam, reports less sickness than nemd. Maherial fevers were common in spring months,

Dr. Turner of Chester, soys: "Year 1885 exceptionally healthy, Malaria about the same as last year. Typhoid almost unknown."

Dr. Rabwell of Deep Eiver, reports: "About usual amount and suriety of sirkness, mainrial trouber taking the lead, but graduulty diminishing."

Dr. Grannine of Sayheock, says: "The past year has been characterized by an almost entire absence of the xymetic absence here. Malaria is slowly decreasing, says as a complication; for anothere, poorporal woman are prone to develop malarial trouble, often having a regular chill on alternate stays, etc." This propperal malarial condition he treats with large doses of quinties, 39 grams in ten hours. Elderly passons with townshifts also have malarial chills which simulate postments.

Br. Bell of Morsins, reports to epidesses, rather less malaria, and thinks hillous temperaments more affected by surface.

REPORT OF A CASE HAVING ALL THE SYMPTOMS OF HODGEINS DISEASE.

OF R. O. MATHEMATON, DIRECT.

The Admin of Transman, malignant Lymphons of Billyoth, Lymphosecome of Virolnov, or implatic Arrests of Wilha

A discuss which seems to be turn in this State, as I am imable to find a death reported by the State board, although it is oridinally book. In New York city it is not accommon. Mrs. S. of Durham, aged III. One child thirteen years old, of a healthy family, secules insulin previously, because subject to gastrie pairs occurring occasionally for a year, and these pare place to attacks of attacata, occurring every avening for another year, at also o'clock, whether in bod or not. Not reflected by quining or areaise. These were followed by pairs in the hip resembling actains. This continued for about two weeks, when unlargement of the curvicul glands on the left side soon followed by unlargement or explosion, as it is tested, by groups of imprired glands of the same side; the same glands on the right side became affected. After this the axiliary glands and then unlarge fixed in other places. Severe pairs accompanied the unlargement of each group for some days. Some of the glands were rearrly the size of a hear's age, and continued about the same size for a year, or until death.

There was no temberaces or discolaration; glands were not adherent, norting feeely under the skin. Palse unif temperature, for the first six marths, a little above a hundred, when both mose down to about rational, where the palse remained. The temperature for the last few weeks want down gradually to ninety-two, where it ransined several days before death. The last six meeths she suffered excramating palse in the regions where the internal times were formul, union much early be relieved by hypedernales of nourables every few hours.

Assemile was very marked the last few months, with orderns of the lawer linds several months before South.

Pewier's Solution was tried at several periods in throw from the to liften minime time times a day, and continued as long as the system rankli tolerate, without herefor.

Among by Dr. Konister of the Imano Hospital at Middlefown:

Holly esseciated. Abdomen very large. Total absoluted inger more tia. In such several enlarged and hard glands felt in uncertor and posterior claim; also in wallie, at bend of elsew, in groins, and other incalities. Physical examination revealing powerses of field in abdominal varying (dullness, wave, etc.), a small inciden was made, and decade pounds of straw-critered field was resorted, containing absolute. After removal of field, includes was prolonged from toper edge of stemans to public. Impretion should the fine reaching in front to lower edge of mound rile; and right long compared. Stomach distended with gas: in normal position; four or fire enlarged measures glouds, and marked mernin of all the vincers. The right long had no adhesions and was perfectly leadility. Left long had slight adhesions at apex. In the appear had in front, near medical me, was a large, whithis wednic, size of small senange. The action was very land. Lower labe non-peaced. Beart was small, pole, empty. No valuate leadure. Spices

was slightly enlarged, and very soft. The hidneys were large, and pale, but in fair weeking order. The appears and expends were very large, and triable. Liver was normal in one; on under surface of right tole was a fastly sodale, size of a hone chesters, be which it was attached by loose meeting them, was a large turner, or which involved stanisch hydrens and disctories by sillerine, and was connected by apposition with the needs in liver. The parts were so atherent that mixtir dissection was impracticable. The turner, as also needs in fiver, was very laid and white, and in its prosessant over remained according to the very laid and white, and in its prosessant was impracticable. So the date was impracticable was distensived and fain, the date was impract, and in its prosessant. Bend not examined.

Microscopical Ryammation by Dr. W. W. Knight or Hartland

Ricroscopical examination shows the specimens to be carrinean streture. The trusce, at least the part examined, has macked the stage of strophy in its growth as all scircless convers the. The genetic is the liver shows a more typical enterer structure; an abroduct armagement of fibrous those enclosing mosts of epithelial cells. The trusce from the imag is whelly under up of throne those firity developed. So far as the microscope, is resecreted it control show whether the growth is an atrophical enters as an old circuitiae. From its growt appearances as they show in the preserved specimen I should be doubtful. The enlarged glands were presentedly of a convincement unitime.

Treasures gives one case ander the case of School, where the informal binsons were white and considered converses, although a was not stated that it was proved by intersocopic constitution. Tomassau says: "In only three of my electrocases Loborared hypertrophy of the liter and spiren." Unfortunately the specimens of the external tomass were lost in transportation, and not examined by the microscopic.

TOLLAND COUNTY.

S. G. ROLLY, M.D. - HOLLYMAN, REPORTER.

In my own locality and steamer there have been during the year no unusual experiences in molecule or surgery, but an ordinary results of surgery and surptial care for treatment of all kinds of fiven, skin disease, ouight, and communities, a spreading of molecular architect, accordinated deaths, extends, and mercher, carries for most to less of molecul accordinates and treatment, of to seatch on higgs in topics, etc., etc.

There has been to prevailing epidemic or contagion, but mostly such diseases as turneles, whooping cough, and acadating and diplateria and oryupelas have thened to in a sperant way. The title state of small por, which constol in perhaps two bundred varriestims for kine-pow, all private work, but the searce did not cuttons long enough to frighten the people into general vaccime tion, so that there are now impassionably remaining in this comto inity several hundred persons who are unpresented from small pur. Our experience is that there is a growing probables against. vascination among the people of large. It is a common estuark, 0.1 would almost eather risk the danger of laving small you then risk vancination - it huyes so many persons discused," This, like other prejudices, as the result of ignorance, and perhaps the teaching and influence of certain medical schools. Thus the securific research and discoveries of the immortal Jenner are to be gradually sacrificed and frittered away by (gazerance and birm) pospelice. rendered mere himi yearly by the teaching of those who have bester than they work. It may be a question whether our profesion, which has slope such solde work for suffering humanity, can fully and present this great achievement of science from falling now and more rate distinction and prevent so great a light from being obscured, and present its bealing rays from falling on the people at large, time diminishing the sum total of former suffering and premature death. We trust this subject may neceive some actuation from able and most worthy manners of our profession, as well as a unline investigation into now fields of discovery, thus illustrating that we can been see though waltout forgetting the old.

Dr. C. F. Sammer of Bolton, reports

- The diseases for the past year have been much the autoe as in preceding years, except processories which was more previously and fatal during the winter and spring of 1885.
- 2. We have but but very few cates of malacia; nave occur a few in Manchester. On the discount.
 - 7. Occult.

A. R. Grodrich M.D. of Verson

Ayreless.— During the winter and sarly meng there has been many cases of diphinerale throats principally amongst children, some of those quite unone. Some units have sufficiely yielding readily to remailer. None fatal.

Malicar - Has followed in through the year, less this winter than law animer and tall. There has been no time but some time have been timber treatment.

Membra - Note: Small Form - A few mind cases.

PLASTER SPLINTS.

IN IN COUNTRIC MICH. STATISTICS SPRINGER.

I had thought I could not communicate anything which would be of interport, but to-day it comes to mind, in a case of fracture, to describe a method of using calciumd planter, who is has some advantages over that of the planter handage, of which I gave a full description in a recent number of the Motival and Steppind Squeeze, Philadelphia.

It is taking a cast of the universe and posterior parts of the fractured hash after adjustment. It is very section that we find a case of fracture which cannot be reduced to its normal position, especially under the relating effects of other. The general outline and length is easily atturned by extension, the lateral displacement by process with the flagors. Associated afflows us to use the necessary fame without terture to the patient. Also, we have the limb on the opposite sale to guide us in adjusting the flagoured one. The limbs of either extensity are far flow straight; the log and thigh are somewhat necessary upon their inversepect, slightly the reverse upon the outer. We find a corresponding divergence of the user trans a unsight lies.

This preclades the use of a straight splint, order a short one, which cannot be depended upon. And right here let me my, that I know of the more important rule than this: that a splint should extend entirionity to trid the joints west below and above immorable. If the joint moves, the muscles and probably the fractured early may also, then follow displacement and defermity. There should be no metallity of the joints' and matched if we would get the best results. Opings is the soronigs person's for nameular contraction, which must be gounted against. But there are not the principal difficulties. After the limb is set, what shall we use to keep the limb immorable? If an oblique framure, there is a constant tendency of the ends to slide by each other, and a tilting of one or other of the broken ends, and delamity. There we becomistipalments. The first is a spirit which shall be an accurate cast of the limb, one which will to the part as perfectly as the skin lead?, and this is lest attained by the calcinel planter splint. If well applied them can hardly be any lateral displacement, for their accurate and seasoth enfaces uppose it and the pendency to it. We have mother means

which may be needful if the bradency to shortcolog is very good, that is, of course, counter-extension.

Another condition is absolute rest of the limit ratio the leg can be lifted up from its cost by the foot, or the arm to the hand, without its bending in the least. The splint is made by failing a piece of cotton cloth doubled, out of sufficient length, and of a width of nearly onehalf the electrolerence of the limb. Wet the cloth to present too maid. hardening of the platter, open the cloth and upon one half of its surface. spread the plaster, avenued up as they as it can be without its reaching, upon the cloth one-half inch in thirkness, the other half of the clothbeought over this at ence, leaving a justice free align to be farmed under and modified to the fractured part which is previously set. If the leg, the protector model is to be applied first, and use the double-inclined plane of the cedimery sort with foot piece, and stalet cross piece to perwent rocking on the fam had. In the trough of the leg piece, the moths in laid long enough below to include the heal and posterior partof the foot; upon this a layer of cotton hatting, and the leg placed. tpor it, the sides brought up while plastic, and held by cloth flott hid trailer the mostil. The heel should be well pressed down into the depression made for it in the alone,

The unierite splint is prepared in the same way of accurate, extending from knee half way up the test, two apliets only are inest, and their edges about too third of an inch spart. The interipace allows of lightening the lendings as the swelling embeddes, which is possed as and the frame-work and month. The planter beautips is not as much innier counted as respects the aveiling or its dimination. No "majoral" bouncetter with his parage and knife me whittle cert a splint of wood in equal this in accurate adaptation, through a fund-made splint with regard to conformation of the part is far beaut then the straight wooden sees which have been sold throughout the country. At the end of a month, gentlest positive motion of the juints should be given to prevent analysissis. The cause of defountly is a large marker of cases is the mixing off the splints too early. Eight works is not too long keeping the itsels increased; anye the positive motion which mixtle given by the surpose binneds.

The first deposit not having the framework has a shade to deposited later, will not near the strain of slightest usage without benefing. Bony and first artice, it is easted, is not complete until three or four sensitie. I become the limb after the removal of the casts to flour pasts and cloth burdages with pastsboard, allowing westers of the points. This directing is easy light and very firm, and clothing can be worn over them; they give posteriors, see not in the least localities were to the patient, and should be worn until mixes and attempts in fully completed. Especially is this reconstry in fractions of children who no some upt to take only

of fatting and injury. After this merces, many of the deformities produing from too early taking off of splints, may be availed. We know of no result more gratifying to the surgeon stan to find at the last removal of the splints, a perfectly merced appearance of the find at on lare a day that we can find asserted it with makin so. Let my emphasize the importance of this later treatment. At the end of the species are giving the timb passion methor, we find the fracture legistring to be firm and in good apposition and outline, the patient is one foliant that he has a good arm or log, he make for greater freedom: is an erit moment we tell him he can use it a little, from that time he will be upt to use if been much, and at the end of second month, we have the mornification of seeing a deformity, not that of shortening, but more to less deviation from the mornal line.

If an arm, he has litted too heavily, if the leg, he has thrown his unight upon it self walked unanissed, and what we had so well an complished has been destroyed, and if our patient and his friends have ingrelitude and compliance enough, we may hear of threatened procession for the damages. At any runs we suffer less of repetation, and the parient above of the full use of his limb.

We rather must my " no, you must went your uplies muster smath, and do not not your arm best continue to many it in its rest as before. On, don't throw may weight on your leg, had not a contrib."—Infil him of the danger of deformany if he does not book the advice.

I know of no cases requiring plain tangengs more than these, and an intelligent nations will see the wisdom of it.

Alife felt splitt, made in Philadelphia, is a very free and adoptable use; first, insurement in and water, and manded to the part then hardened with cold water.

Also there is a similar one made by Mangor & Petrle, New York, the latter best worked with stry heat. I have used both with the placter, made of the constraint of cold mointees, after placing the tractand suda in good position and outline—having cut and fitted the splint material while hot, often to the arm of another person of some size and length.

Pour along the hollow of the spiral the pineter, enough to fill all the depressions of startage of the limit, over this a layer of cetton builting, of width and length of spiral, press it down through to its plans, hold still a few minimes fill the planter has set, then the opposite over in the same manner. Now the parton is hard and the spiral rigid, we have the most accurate must of the part possible. There should be a slight intervant space between the spirals, which are hold singly to the limb by the common buildage elementar or tightened according to the smalling. The advantages of this method area the planter burdage are there is not clothing open to be done, it is much more awardy, and we later

greater accuracy of fit, and prefect control literate of imparers dissector and shortening by the sola sliding by in less likely to happen. They are no mylelding as the bone, and make epoch presence at all points.

I don't know that planter was ever used in this way before, but I have used it in this manner quite a number of years, and with results so satisfactory, that I shall be slow to change it.

Paper makes a good pattern; lay it on the timb and est its odges till its width and length are right, lay the paper on the splint maternal, and out it while bot.

Thate used the planter alone in fraction of patella with hest results; with log raced and extended coupt the frequents, which are but held in position while the planter is entring, by broad and fong pieces of adherite planter laid over the patella transvensity, with only the middle portion moistened, the free couls held by anothers, drawing downwards the upper fragment, and upwards the lower sets, and draw and prese tipes the middle of the patella so that the fragments will not tilt up as they are approximated and held there. Then by on the planter telded in melatered cloth with free edges termed union.

The planter should be as inch in thickness sour the bore, and thirmer at the edges which extend three bodies above and taken the knee and law inches posteriorly at the inner and outer edges. A figure of cight bundage is new applied tightly before the planter sets, so that it shall puss the planter form into the depresents above and before as well as at the sides of the bore. Of course the straight posterior opins must be used and no featon allowed. Sult can be used to take the planter burden rapidly. In the best dissolved give to make it framer, though it backers each above. The aveiling which rapidly Solves Institute, from effector, will delay the use of costs for a few days; in such case the fractived part can be placed in a trough lessely, with cloth for each apparent to keep it steady; this allows of cold applications or rubbing with if means partil ready to be weared by pressure means.

APPENDIX B.

REPORT OF COMMITTEE ON MEDICAL EDUCATION.

The papers referred to the committee are, first, a report made to the Seterata Store Modern Society on the nitriget of mellical eduration, or rather, the education of those persons seeking to become medical students and, see selly, two reports made to the New Joney State Medical Society, one revening the estar ground as the above and the other on the subject of " Medical Leanning", The subject of preliminary adjusting proper to these who desire to become playerings was discussed last year by your Committee on Matters of Professional Interest in the State, and in a not desirable to add further to what was then said, and which can now be found in the "Proceedings" of that your (pp. 59-58). The plea of oil logs education for medical one is one which commissions thought ful consideration. The question is, how shall this very desirable object by offerned? The undertunately, only a very few of Connectiext's medical meneturicals of profession on their own State. Solving as the modicular heads throughout the sountry, with very few recentions, musleus to receive all sorts and confidence of medical studeuts and used them out into the world with the degree of M.D., the only remody for a State society in attempting to elevate the stundard of the education of medical men is to seek to obtain in over other State by logal ensctment proper qualifications in those beginning study; or, what has been done by so many legislatures, denualing specified housens before permitting practice within its own State. With us, then, the subject of medical education bewhen itself into that of medical licensure. But is it not beyond the provigative of a State to shot out a man from any means of livelihood he may select? It is the first sharp of a State to take som of the leves of its citizens. It should therefore watch for dargers which approach from without and within; those whose very title befrave their nature, and no less those on which "safety," some written,

but which are really walves in shear's clothing. The anarchist who, from Midden corner, hurls the dynamics bomb is hunted for his life by the law. The professional communist who, ignorantly to you and so himself, administers drugs in bouldy door to your child or to yourse if stalkethrough the State hemided by public press. or, becoming a citizen, acquires his hamiledge by practice upon were friends and then leaves off, his too to one others men more learned had just began. He who assernes to wear the mantle of the profesional practitioner, being incomposent to perform his daties, is a greater source of danger to the public than a malignant disease. His action is an insult to the profession, his presence is a degradation in the his practice a public calamity. The elsence of legislation is his license. Twenty-nine states and territories been enamed laws regulating the practice of modicine. [Hours Bodd, Esq. of the Philadelphia bar, author of the - Notes to the Lewling. Case in the American Law of Real Property," has undertaken the a cele of compiling the submance of each such act of heathers may in force. The constitutionality of such laws has been served a number of times and affirmed by the courts. It is right, therefore, to make the aid of the law - is it descrable? So long as the diploma of a medical college, prespective of the qualifications which any such collene may require of its gradinous furnishes a sufficient astratefor any one who wishes to enter the position or medicine imperially. in face of the fact that one institution and therty thousans diplanta. during the period of its elimiteral existence, so sing it is very evithat that some law should be applied. The committee of the Nebrisks Medical Society recommend the attablishment of a board. id medical emminers whose duty it shall be, feet, to examine all persons about so enter upon the practice of steelicine in that State; most, to livene such persons only to practice as may in their opinion possess the requisite high qualifications; and to permit no What person to practice. The proposition is not sufficiently definite. and lacks practiculators because it does not explain by what anthonian such a board should be constituted or the character of its months; The New Jersey State Society in June, 1885, peopound a hydron for adoption during the current year establishing two broads of mellical examiners for the State, whose duty it shall be to staining the condemnate and analiteations of all pressur consumptating the study of medicine in the State. As a procequisite they demand what me is termed a liberal education. The members of each district.

society, under penalty of forfeiture of membership, are not to receive under their care any windont of medicine who has not passed the necessary examination and mercyal the approval of one of the burds of examiners. This does not much those who propose to practice medicine in that State, the very lax law for which will be found on page Mirabre of our last - Proceedings, and the conssittee devote their report further to a disrussion of some efficient method of liceusum for those who wish to ester the ranks of practicing physicians. They durling, four that the power of lierssure orgin to be required from the function of instruction and be vested in some authority within the State; seems, that the gonenor or sugreme court of the State, as the legislature may descrimine, is the proper authority; third, that in order to an intelligent exercise of this power, all cardidates for this privilege ought to be "thoroughly, carefully, and impartially examined by a competent medical board in all the departments of medical and surgical science and practice recovery to complete medical education and, on the recommendation of such board only receive executive licensure". risers), that the board of examiners ought to consist of seven membees of the Medical Society of New Jersey, of at least five years practice, selected by the licensing power from twelve nominous of the New Jersey Medical Society. The appointment of two similar boards is provided for, should one not be found sufficient; mixed boards - peners, hidding apposite theories - are disappeared of, and the State Board of Health rather than the Medical Society. selected as the proper body to bring the subject before the legislature. This proposed statute is the product of the mature delineration of mission the best medical minute in New Jersey, and is thorsfore worthly our consideration. Your committee, however, in oppoarism to the fifth proposition of the act just considered, recognite the fact that in our commonwealth disagree theories of motions provail. Their athornts are equal to some rank, wealth, and general intelligence and no legislation run to had which does not to regains these facts. All have rights which each most respect. In this condition it is evident that come compromise must be altempted if those is to be any mility of artice smong coolical men of all theories. In our own State are times State Medical Societies, and it would be job for this society to attought to seeme a law prohibiting our portous from the practice of modicine except assorbing in the rule which we would combine. For each one of those were

thes to have a separate found with power to examine and licenseworld only to be enter each in a rare as to which could around in the rand of its own kind of men. Unity of action is therefore necessary. Our demands, if they are to account, must be so obviously just, and in the interest of every State society and of the great body of unities over of all faiths, that so vey of persecution can be mised. Here, it is necessary to begin this work on a much lower plane than many would profer. To more this difficulty the American Medical Association, at an association in New Orleans, directed an accretary to transmit to such State Medical Society a vepy of an "Act to restablish a State Board of Medical Examiners and Licensers, and to delite the duties and power of such Board?"

The report of year committee is then, that in our own State the subject of medical education is one of invited licensize; that the work attempted in Notemika and Now Jersey siculal to regarding proscuted in Connection; that it should be on a plan broad enough to semand the support of all respectable sects. Further, the members of the examining loand should be appointed or nominated by physicians and should have no connection with any teaching looly.

In concluding this part of our report we present the art suggested by the American Medical Association which we have modified to sail our own communwealth, and earnessly request that the State Board of Health be requested to secure its adoption by the legislature at its next second.

A plan of incer State representation is referred to us from the Nehmaka State Medical Society. Each State Society elects from its number one person called a delegate, who calls from the delegat of the society to which he is credited, such course, cliniques, or other some as he may deem of interest for presentation at the annual meeting, and for publication with the transactions of his own somety. We do not does the measure practicable with our own somety at present. All of which is proportfully estimated,

> N. B. WORDIN, M.D., H. A. CARRINGTON, M.D.

AN ACT

TO RETARLISH A STATE BOARD OF MEDICAL EXAMINERS AND LICENSERS, AND TO DEFINE THE DUTIES AND FOWER OF SECUL DOARD.

Speriod I, He is concred by the Secate and House of Represenlatings of the Communically of Connuctions in Several Assembly and, and it is hereby emetted by the authority of the sense: That there shall be appointed by the Greener a State Board of Medical Evaniners and Licenses consisting of the member, use of whom shall surrotfor our year, was for two years, and for those years, one for four years, and may for his years, and beneather he shall such year appoint one member to serve for the years in place of one whose term then expires. They shall be graduates of some legally chartered college or university having the power to confer medical degrees, who shall have practiced medicin at surgery for a period of not less than five years, but none of whom shall to members of the faculty of any such college or university. Provided that in the appointment of said board at least three members shall be choice from a list of trenty-one names submitted by The Medical Secrets of the State of Connecticut, and one each from the Houseopsithic and Eclectic State Societies. In default of the exteniolog of such list. the Governor shall appoint,

Sur. 2. Upon the organization of the said board is shall be determined by lot which pumber shall sures for a torus of one year, which for a torus of two year, which for a torus of three years, and so on. Every appointment to fill a variety or vacuaries in the said State Board of Modked Examiners and Licensers shall be for the surepired torus, and the said memory or vacuaries shall be filled by the discernor within staty days after notice to him of the same. Provided that when the vacuary has been passed by death, resignation, or reserval of a nonder appointed from the list furnished by the Modked Somety of the State of Compension the said vacuary shall again be filled from a list of three names for each vacuary furnished by The Medical Somety of the State of Compension. In definit of the submission of each bit the Governor shall appoint.

Sup 3. The said bound shall be a corporation by the name and object of The State Bound of Medical Exemptors and Electrons of the Components of Components of Components of Components of Components and shall have und use a common real, and as such corporation may use and be used, contract and be contracted with, plend and be implicated, to the extent to confer it to many out the powers conferred upon in by this act. Said Search may tasks used adopt all measure pulse, regulations, and by lines not inconstitute with the constitution and turn of this Commonwealth or of the United States, to

enable it to perform its detice and transact its business under the provisions of this act, and shall upon its organization elect from its own number a persident and a secretary, who shall also act as treasurer, both of whom shall hold their offices for a term of one year.

Suc. 4. Every person who shall be appointed to more on the mid-State Board of Molical Examiners and Licensers in the manner aboretails shall movies a certificate of appointment from the Governor, and writin thirty days after receiving the certificate of appointment shall fire the same with the Clerk of the Court of Courtson Pleas in the county in which he or she shall have previously practiced, and shall also file a certificate of his or her said appointment as a mention of und State Board of Molical Examiners and Licensers in the office of the Souretary of State of the Commonwealth of Commonwealth.

Sec. 5. The said State Board of Equations and Licenses shall extended all applicants for figures to practice medicine or surgery in this Communicality who are properly qualified according to the provisions of metion I of this set, and shall exclude no one from examination may reject him or fair because of his set her sollarsies to a special system of practice. It shall hold two stated meetings each year, at New Barrot, one on the second Tuesday in May, and one on the second Tourslay is Nevember, respectively, and may hold special meetings at each times as it may down proper. All examinations shall be conducted in writing, and all examination papers, together with the reports and arrive of the examiners thereon, shall be preserved as the more do of the and bound for a period of free years, during which thus they shall reveals open for importion at the office of the said State Board of Medical Examiners and Licensers, which office shall be in the capitot building, Buctford.

Sec. 6. Such examinations shall be in marrony, physiology, general chemistry, pathriogy, therapeutica, principles and practice of molicine, emergy, and obstation. Problem that each applicant upon recovering from the scentary of the boson an order for examination shall receive also a confidential number which he or she shall place upon his or fer-examination papers, so that when said papers are passed upon by the examinate the latter shall not know by what applicant unid papers have been prepared; that upon each day of examination all cardidates by given the same set or are of questions. It is further provided, that the examination papers shall be marked upon a scale of our hundred, and that in order to secure a linearie it shall be necessary for the applicant to attain such average as shall hereafter be determined by the said State Board of Examines and Licements.

Size 2. Any person on puring ten deltars to the servicing of the said bound, and on presenting estimatory proof of large over twenty-one years of age, of good meral character, and of having excited a diploma from one legally character medical college or university having authority

to confer degrees in medicine, shall be emitted to examination by the sold board, and in case of failure at any each commination shall have the privilege of a second examination after the expiration of twelve accepts without the payment of any additional by.

Sec. 8. For the purpose of examining and incenting applicants, as well as for the transaction of other business, these members shall consistute a querrum of said board; and when the president and secretary of said found shall find that an applicant has attained the necessary examination average they shall leave to him or less a license to practice well-cine and surpery in the State of Connecticus.

Sec. 10. For the purpose of this act the words "practice medicuses suggests" shall mean to treat or attend any person for manage gitt, or toward.

Suc. 11. Nothing in this act shall apply to commissioned medical officers of the United States army or may, or of the United States mathe hospital service, are no my member of the house or resident staff of any legally clustered medical college or university or hospital during his term of service therein, not to physicians of other States meeting duly negistered physicians of this State in consultation, are to those practicing destinately acclusively, nor to mid-tains.

Siz: 12. The secretary shall record in a book to be kept for the purpose in the office of the said board the name, age, sex, residence, date and place of graduation of each applicant, together with the date of examination, the examination average on cash tranch, the general average, and date of lasts of themse in case such freeze ingranted. Said book shall be open to public impaction. And so at before the last day of December of each and every your the said board shall publish, or cause to be published, a fiel of the marco and addresses of each persons at shall have received themse from the said board within twelve mentals immediately thereto preceding.

Sec. 11. The members of the said board shall each receive a sality not exceeding dollars per autom, to be paid out of the fear for examination. The ecceptury and transurer shall receive an additional ustary to be fixed by the board, and shall give board in the sum of one thousand delians that he or she will facultably account for the same poid too his or her hands. The balance of the few, after the necessary expenses of the board, which must be stated by affitzed, have been deducted, shall be said into the treasury of the Commerwealth of Commerciant.

Sec. 15. The Governor may remove any member of the said bound for unperfectional or diskenorable conduct upon the recommendation of a rea-thinds rate of the said board.

Suc. 11. The sum of five hundred dellars in hereby appropriated to meet the necessary and legitimate expenses of the said board for the year community the first day of

Soc. 18. This set shall take effect on the first day of

SEC. 17. Should any charge to charges of unprotentional randort beperferred against any daily flocused practitioner of molicies or surgery the said State Board of Medical Equations and Licensers of the said Consequenced the Consection shall have possed to mannon said printtitiener before it, barring previously given him or her fifteen days' notice. of such charge or charges, with the name or names of the purity or purties proferring the some, and the name to make of any mitters or witposes to be called and examined in support of said charge or classys, and upon hoscing threaf and having nearl the party or parties to accraced and any witness to witnesses for or she may desire to call as to his or her defenc, the said State Bored of Medical Examiners and Licensers shall upon satisfactory proof of the truth of said charge tw charges, refer his or her cars to the district attentoy of the county wherein he er she shall have practiced, with all specifications and all eridence in appoint of the same, who shall apply for a rule upon the party so are and to shou some why his or her license shall not be reroked, and the peoper court shall have power so to direct such former to be stricten from the list speedful in the office of the clerk of the Coast of Courses Piece for the county in which the said accord shall renitle.

Sec. 18. Any person violating the provinces of this set shall be guilty of a misdemeasur, and upon conviction thereof in the Superior Court of the county where the offense shall have been consulted, shall pay a fine of not less than fifty, nor more than five hundred delines, for each offense.

APPENDIX C.

REPORT OF DELEGATE TO THE NEW YORK STATE MEDI-CAL ASSOCIATION.

As it had been my privilege, as it was also find of some other members of this society, to attend the year provious by invitation, the first annual meeting of the youngest and most progressive of all the molical organizations of the neighboring State of New Vork, we were interested to observe whether the very remarkable encouse of this per association, based as it was upon the broad principles of self-constrainers and onesity of rights, in contra-disfriction from a government of the rossy by the very few, would be continued and give promise of germanoury and healthy growth It was at stee apparent from the large number of numbers pass ent that the law of freedom and equality among the profession of that State was well nigh universal, and left no yours to doubt the when the issue chould be removed presented to our own seeing, it world, as it has since done, duclars hadd in layor of such charges in our organic law as will secure to overy member the same rights of not government and individual representation.

This amount on came into experience under correspondences of this outy, about product vinilar to those which are now sure unding our own society, and threaten its purmanency. It was organized of Albany in February, 1884, by a called convention of one lumdred and many-four members of the cort State Medical Society of New York, who formed at first a following, the members of which are still called "Franciers" to illustration then from the time of follows who now constitute the amodiation. The firsttered delegate from that hody win has just addressed you, was not of the original seem who imaggamed the movement which has been followed by such splended routis. Thus all the great reforms which have blessed the world have had their origin is a congaratively small initial effort. Bolors the adjournment of the first summer meeting 286 additional follows had been received, and offer the adjournment 52 others were added, making the told number of below at the close of the year \$11.

At this first annual meeting to which I new refer, there were in attendance about 250 follows: besides more than 50 invited guests, and delegates from other accesses, indicating that the public profermonal interest in the success of the new movement was active and widespread, and the result of the beauty sympathy and good will manifested on every hand.

At that first meeting there were nearly fifty papers presented; but of course only a part of these could be read for want of time, although the meeting continued for four days, with three dealy sentions. If it were proper and gracious by wistons to offer orticisms of the methods adopted, we think the only one which could justly be made would be this; The large number of scientific supers presented, some of them of exponel interest, was far too great to admit of anything like a satisfactory discussion of those which were read, to say nothing of the large number read only by title, but which, as we read them in the published Transactions (a handsome volume of 550 pages), are good measures of the wide eithers and industrious energy of the profoccious minds scripted in this nextly formed fellowship.

It was very evalent, both at this meeting and the one for 1885, that the official oversight of the association, particularly with respect to the wise arrangements to secure, first, as alone dance of contributions from raperle and willing workers and second, a judicious selection of good speakers to open and scatain the discussions of the papers, had been most vigilantly and skillfully expressed. Unassignently, there was no time list in dalleing or in waiting for mean not prepared to speak the rearray each of the qualitary had been supplied with a symposis of the paper be was to discuss, so that the convention the universal smoothly on such complete flow, and the planeaus of the universal smoothly on such complete flow, and the planeaus of the universal smoothly on such complete.

Another feature of the meeting contributed very much to its mechanism and the economy of time. While the reading and the discussion of papers commenced and corminated at fixed hours, must agreeable to the ambience, the morning and evening bours, also fixed by the rules, were devoted to the promps despatch of mutua bindiness, but at the expiration of these hours, the reading and discussions were resource. Executive and other committees had their ambient at bone automorphist by the their, according to the published programme, and with the least interruption of the

the conduct of the meeting. A very indicative thing about the conduct of the association and one which I heard often allowed to as the controlling reason for its harmonious working, was the pulpative absence of political markonery, its officers being normated by an executive committee elected by the district societies (our county meetings), but would for by such member of the sessociation alreading the annual meeting.

The most remarkable and intensely intensiting feature, however, of this sotable occasion, so replete with the richest unbertals for professional enforcement, so scientificing to professional simulation, so healthy as incitourers to perfoudonal honor and superit of local rocucord, was the almost unprecedented discussion growing out of the reading of the learned and exhaustive paper on Pacamonia by the late Isrocuted. Austin Fint, by whose decesses the audical profession of the United States has last its most complemen, its most brilliant, and in best-beloved representative, while this society line been deprived of the great honor it had expected to confer apon inelf to-day, by the election to our membership of this distinguished physician, so well known in both hemophores. You may imagine, but all words of mine would full to express the effect which this rare symposium in medical science produced upon my own mind, or my hating regret that every member of this body could not have been present. It has been my privilege to be presout at many similar assemblies of representative medical men in this and other countries, but I remember no one that surpassed it in those alements which everywhere contribute to the most important and useful results of each occasions, or left upon the mind a more of glafus and insturing impromion-

I was glad to recognize among the ardience nine or ten of our members, who I am sure must all have shared with mer the feeling of regret that no serie so few, and will join me in the hope that beweather we may be largely represented at the annual meetings of the New York State Borlind Assertation.

S. G. HUBBARD.

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-113

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Oxrome. Lewis Batters.

[&]quot;Overslaty jours of age.

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-106

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-43

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DESCRIPTION. Wm. 8, Tehl.

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" Over Hally years of age

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ByAMBORD:
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Henry Hungerford,
A. M. Haudert,
E. L. Boltannie,
C. S. Deeby,
Samuel Piercon.

Stepsus.

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Shelton

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B. H. Umitegrou. A. B. Gorban

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-15

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P. O. Addition. Chillianville Duninsty. Monsey Brondtrock Militari. New Horses. Norwick. Middlelows. Hartford Wallingford. Milleryl. Harrisont Harmard Washing. New Hastn

New Haven, Bartford America Erminghali South Britain. Daniesty Wallingtonl Waterleary Letinger Sethe) Westrille. Ostoni West Haven. Parisins. Hartlerd. Windhits.

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Cole, J. P. Complete, Jrs., Jr., Compton A. J., County, F. M., Corrects, W. H. Corrugton, Charles.

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Harrison, 1977. L. L. Coll., Hosp., 1881. Yale, 1872 Yale, 1888 Bellevise, 1969. Jeffersen, 1857, Yale, 1814.

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THE .. Goodein, E. S., Goodein, E. S., Goodein, R. S., Corbins, A. R. German, F Georgia, John III. Grey, Henry, Grey, John, Green, Jaros G., Greek E. B., Greek E. b., Grimotel, F.E. GHAVING R. M. Grissolt, It. W.

Halleck, Fresh R., Halleck, Windfrop B., Hannesed, C. E., Hannesed, Henry P., Harelett, T. S. Harrison, Patrick, Harris, G. W., Hart. 8. W. Harris W. L. Haves W. L. Haves Wu. W., Haves, Wes St., Hazen, M. C., Harris W. E. R., Heavy, A. G., Hiyard, Nothing L. Degite, H. L., 1911, E. J. Hall, Chin. E. INDIA TO ME HULL SHIP. Biolines, A. A., Deliner, limited L. Holys, WH. C., Halans, W. H. Hallman, Louist. Henco W. W. HILLIAMS, W. H. Hough, A. A. Harmon, Suice Was Howe II G Barbert, C. B., Huttern, Indian. Buldand Suplan G., Harleson Wat M., Burken, O. J. Do. Beingsword, Houry, Bert, B. K. Battligton S. H. Huntert, A. M.,

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Univ N. Y. 1880). L. I. Unit. Boop. 1813; Univ. N. Y. 1883. Univ. N. Y. 1873; Univ. N. Y. 1873; Univ. N. Y. 1873; Univ. N. Y. 1873; Univ. N. Y. 1874. Cell. Phys. art 51rg, 1970. Jefferen, 1818,

P. T. Coll., 1985. Unit Phys. and Strg., 1855, Norton. Coll Phys. and Sarp., 1975, Sections. Harrard, 1975. Harrard, 1969. Unit: Vt. 3880. N. Y. Mod. Ovll., 1958. Coll. Phys. and Sary., 1880. Britishin, 1988. Univ. N. Y., 1858. Univ. Vr., 1886,

Yalo, 1844, Univ. N. Y., 1883, Yalo, 1871. Bellevise, 1471. Victoria, Montreal, 1671. Biologo Coll, Mentical, Yale, 1878, Yale, 1865. Definition 1881. Cenn. Mrsl For , 1996, Harrant, 1955. Yale Pice. Yule, 1864, Yale, 1984. Univ. N. V. 1883. Cell Phys. sed Surg., 1878. Hardend Yale, 1832. New Ho-Yale, 1878. New Ho Yale, 1982, Gull. Phys., pp.1 Surg., 1884. Yale, 1885. Harrison, 1884. Tale 1983, Cell. Place and Sung., 1978, Tale. Vermont, 1885. Berkidim 1892, Call. Phys., pp.1 Serg., 1863. Blandered Culturbia, 1834

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Name. Matarwice, IL W. Man, A. E., May, Jecob, Mayer, Nathan Methanday, J. D. McKnight, E. J., M. Donild, E. W., Mand, V. M. Mend E. H. Mend E. H.
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Moody, J. H.,
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Brianton, D. A., Hiving, H. M., Kaley, S. G., Brierts, Edward K., Brieffs, G. R. Bobsmon, Byron N., Reviews, Restant, Bukwell, S. W., Bockwell, T. F., Radman Charles S. Bagara, Churles II., Bogire Frest. Rose, E. R. Boot J. F. Ralebildt A. Rasell, Garden W., Rasell, W., A., Basell, Wo. S., Rasell, T. H., Dissell, Willia A.,

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Yale, 1991. Alberty, 1942. Yale, best, CVI Pho & Surg N V TI Me then Yale 1402, Yale 1402, Yale 1802, Yale 1807, Castleton, Vi. 1807, Rellevan, 1808, Univ N. Y., 1808, that Phys. and Sam. 1863, Medic Univ. Carala 1831, Meridia Tale, 1948, Yale, 1948, Yale, 1943,

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Xume. Pince and Dace of Gradus P.O. Alberra. Cell Phys and Surg., 1822, Farmington. Wheeler, Frank, Wheeler, Frank II.
White, C. F. S.
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PROCEEDINGS

OF THE

CONNECTICUT MEDICAL SOCIETY.

1887.

NINETY-SIXTH ANNUAL CONVENTION,

BELLS AT

Hartford, May 25th and 26th.

NEW SERIES. Vol. III. No. 4. Published by the Society.

S. B. St. JOHN, M. D., Secretary, HARTFORD, CONN.

...

The Connecticut Medical Society does not hold itself responsible for the opinions contained in any article, unless such opinions are endorsed by a special vote.

Next Armed Conversion of the Connecticut Medical Society will be hard in New Boron, May 23, 1989.

All communications intended for the Connecticut Medical Society must be addressed to S. B. St. John. M. D., Hartford, Conn.

CONTENTS.

	Pier
List of Officers.	
Stanling Committees.	- 4
Proceedings,	- 7
List of Fellows, or affect,	
Pellows elected in 1981,	8
Problem's Address to Fellows.	9
Committees appointed,	Ti
Treasurer's Report.	1.0
Resolutions of County Societies,	15
Convenitions and Delegates,	38
Secretary's Report.	85
New Members.	-33
Emayint for 1897,	20
Estava.	
The Treatment of Discount of the Ear by the powerd practitioner,	
Dr. A. E. Adrinis.	770
Climateric Glycosuria, Dr. G. R. Saspheel,	41
The Helatique between Scrofula and Tubercle, Dr. J. B. Kent.	19
New Benedies, Dr. T. B. Russell,	56
Is Smoking Injurious v. Dr. A. E. Adures.	67
The Alcoholic question Medically comidensi, Dr. V. D. Crolliera,	21
Neurrestony of the Tri fiscial Nerve, Dr. M. Storrs.	25
The Adirenducks: A Resert for Reach and Decestion, Dr. W.	
% Told	87.
Emsions of the Cervix Dori-their Puthetogy and Toustment,	
Dr. E. W. Cothing,	000
A Medico-Legal Study of our Charter and By-Laws, with reasons	
why they should be Revised, Dr. S. G. Butbard,	112
Natural and Assisted Labors, with especial reference to the use of	
the Parceps, Dr. R. M. Geiswold,	122
Memoir of Dr. Elisha North, by H. Carrington Bolton, Ph.D.,	125
(PRITEARIO)	
Benjamin F. Harrison, Wallingford	1444
Pliny A. Jewett, New Baven,	165
A PART OF THE PART	169
Thomas B. Jewett, Birminglam,	172

14

DOMESTIC

William D. Agree, New Haven,	-	374
George R. Farman, New Hoven.		175
Thomas P. Gilbons, New Haven,		129
Charles M. Carloton, Norwick,		181
R. Prink Contra, Mystic Bridge.		154
Alumne H. Hough, Eisex.		185
William C. Berestli, Disabory,		197
Junes Welch, Winstell,		198
Apperells A An Act Begalating the Practice of Medicine:		891
Honoury Monhers,		130
County Societies, . :		194
Alphabetical List of Members.		690

OFFICERS OF THE SOCIETY.

1887-1888.

Panemaxy.

FRANCIS BACON, New Haven.

Voce-Peromest.

GEO, L. PORTER, Bridgeport.

VILE-PRISORNER OF STORE

F. E. BECKWITH.

W L. PLATE,

JNO. G. STANTON.

F. L. DICKINSON,

C. J. POX.

W. S. TODD,

R. L. STRICKLAND,

C. A. SEARS.

Tenateurs.

E. P. SWASEY, New Britain.

CHARACTARY,

S. B. Sr. JOHN, Hartford.

COMMITTEE OF MAYIES OF PROPERTONAL PATERIOR IN THE STATE. GEO. R. SHEPHERD. F. E. BECK WITH, JAS. OLMSTED.

STANDING COMMITTEES.

Committee to Newconde Physicism to the Retreat for the Joseph R. W. MATTHEWSON, M.D., L. HOLBROOK, M.D., R. S. GONDWIN, M.D., R. W. GRISWOLD, M.D., P. V. BURNETT, M.D.

Consults of Publication.

S. B. St. JOHN, M.D. 1 or affine R. F. SWASET, M.D., I or affine R. S. PULLER, M.D.

Committee of Arrangements.

WM. H. CARMALT, M.D., Assuremy Chimes. JAS. K. THACHER, M.D., MAX MAILBOUSE, M.D.

Dissertator

WM. H. CARMALT, M.D.

Afternate.

R. M. GRISWOLD, M.D.

PROCEEDINGS

CONNECTICUT MEDICAL SOCIETY-NINETY-SIXTH ANNUAL CONVENTION.

The President and Fellows of the Connecticut Medical Society met in the County Count-House, Hartford, at 3 p. m., Wednesday, May 25, 1887.

The Precident Dr. T. M. Hilb of Wifimuntic, called the Convention to order, and appointed Dr. W. A. Lewis and Dr. S. B. St. John as the committee to examine the credentials of the elected Feliams. The committee reported the Feliams elected whose names are presented. The list was accepted and the committee fincharged. The following is the list as presented.

LIST OF FELLOWS. - villess.

President.

T. M. Huas, M.D.

Vice President

FEANCIS BASON, M.D.

Vice-Presidents, as afficial

F. E. BECKWING M.D.

* W. L. PLAYS, M.D.

Jac. G. Stayous, M.D.

* F. L. Dirkission M.D.,

U. J. Fus. M.D.

* W. S. Toro. M.D.,

R. L. STRICKLAND, M.D.

C. A. Smans, M.D.

Thomswor.

E. P. Swaner, M.D.

Southing.

St. R. St. Jone, M.D.

Committee on Metters of Phylonicial Internit in the State

A. W. Nanece, E. K. Roor,

FELLOWS ELECTED IN 1887.

Hertford County.

A. E. Abrams,

P. M. Hastings,

P. H. Ingalls,

C W. Page.

G. F. Lewis.

New Hovey Councy.

Max Matheuse,

M. A. Cremin,

R B. Goodyear,

G. Eliot.

O. J. D. Hughes.

New London Change

L. B. Almy, F. N. Braman,

A. Peck,

A. T. Donglas,

Geo; W. Harris.

Fairfield County.

Predorick Powers, Soli Hill.

C. C. Golfrey,

A. E. Barber,

Wm. C. Barks.*

Windform Crusty.

T. R. Parker, L. Helberck,

Rienzi Rotenson, W. A. Lewis,

H. L. Hammend.

I. L. HARITHINI

Middlese County.

J. F. Calel, J. N. Kuniston, G. W. Burke, † D. A. Cleaveland,

A. W. Bell.*

Litchfield County.

R. S. Goodwin, J. J. Awerill, W. J. Beach,*

J. W. Bidwell.*

Tolland County.

W. N. Chris,

S. G. Risley,

C. F. Summer.

PRESIDENT'S ADDRESS TO THE PELLOWS.

Gentlemen and Pollous of the Convertical Medical Society:

We meet to-day to represent, as our predocusions have for ninety-six years, the county excieties of our State, to consider such matters as they refer to us, to propose and promote such measures as shall advance substantity, fellowship, and harmony in the prefession, and the increase of luminality in the State.

I feel that it is a matter of congrusulation that we have so nearly completed, the cycle of one hundred years of existence, without material change from the methods of scenty government adopted by the founders of the society. I approxime the inexpected bosor that the society has conferred upon me, and for the responsibility of presiding at your deliberations. I regree the limited time that the demands of the small part of the public I serve have allowed me to devote to the duties of the office; I make your for bearance and assurance.

It is my duty to present such matters for your consideration as may require action at the present time.

The Committee on Unfinished Business will have no business to consider, unless the amendment to by-laws, proposed by Dr. Swassy in 1865, reported favorably on by the Committee on Unfinished Business last year and laid on the table, is referred to them.

The Committee on County Resolves will have several resolutions to act upon—the of these suggests such a revision of the charter and by laws as shall substitute therefor an organic law similar to that of the Massachusetts Medical Society. Others declare that any further agitation of the subject of proposed charter is detrimental to the interests of the society.

Fairfield County Medical Society made a resolution favoring an increased representation.

Allow me to recall some facts in the history of our society. The forty-nine incorporators were six years in accuring the set of incorporation, to wit; from 1788 to 1792; time enough, surely, to-have considered and matured a good and efficient form of organization. The original charter ordered the election of the same number of Pollows from each county to form a representative governing body, as are now elected for the same purpose by the same county. societies, or primaries. At first "the president, vice-president, treasurer, and socretary, and such other officers as they may think proper" to elect, were selected from the body of Fellows, but in 1797 a further addition to the act of incorporation was secured allowing the election of these officers from the society at large. In 1842, 1850, and 1851, there was a three years effort to revise the charter and increase the number of Pellows, resulting in three infedicite postporements. In the revision of 1876 the Committee on Matters of Professional Interest, and the presidents of the county societies, were made Fellows as offero.

The late question of proposed new sharter, involving an atterthrow of the old and cherished system of the accepts government, having been discussed by one special and two simual meetings, was dispused of by a sole of twenty-free against to eight in large at the last meeting.

There is so clearly a great similarity in the practical working of the Massochusetts Medical and the Connection Medical Societies, with some very decided advantages of the Connecticut society over that of Massochusetts, that this question of new clearer should not again be allowed to disturb us, and the claim of superiority of the Massochusetts charter and by hows over those of Connecticut should not be used as a present for a change.

The resolution from the Pairfield County Medical Society may

bring up the subject of increased representation. Individually I am satisfied with our present number of Pollows, Effychroe, but I am willing to accept and indoes an increase on the number that does not throw the control of the State Society into the three larger county societies.

There is a matter in which I think we might copy after the flourishing Pharmaceutical Association of our State. I refer to their Committee on Legislation. Our society has, from its organization, lacked influence and control in our legislative bodies. As a profession we suffer injustices that cry to Heaven; we writte under them, but are unable to get reliaf from our Legislatine. The public demands much legislation, but should be protected from very study concerning which the physician is best qualified to give an intelligent and reliable opinion. We should have an interest in and an influence for or against, all proposed legislation—

- L. That will affect us directly:
- II. That will affect the public institutions of the State that we have labored to establish and faster;
- III. All that comes within the scope of our relations and duties to the public.

I would suggest that such a committee be a standing committee; that it consist of five members, that they be selected by the Noninating Committee, with the most careful consideration of their qualifications for the duty to be performed, and, perhaps, their accessibility to the Capitol. It would be for the interest of the society that when this committee is well filled that its members should be re-nominated and re-elected as long as they serve us acceptably.

Circulars have been received by the treasurer and myself from the chairman of the Finance Committee of the North International Medical Congress, "inviting our attention to the importance of the numbers of our society, either individually or collectively, contribating to the funds of the congress, to enable its officers to seek its expenses in a manner becoming this great nation, and to reciprocate the contrastes so liberally bestowed upon delegates from the United Status to previous meetings of the congress in Europe," While I feel sure it would be a pleasure to respond liberally to this call, as a second, we are not in a condition to do so, being its our Treasurer's report will show, eligibily in debt. It remains, then for us individuely to do comething to sustain the credit of the medical profession in our State, either by subscription or the payment of ten delians—the membership fee, and I would suggest that some effort be made to secure as large a membership from our State as possible.

The following communication has been received from the State Medical Society of Wisconsin

> STATE MERICAL SOCIETY OF WISCONSEX, Secretary's Office, Appleton, Wis., Dec., 1886.

Duals Sig. — At the last meeting of the State Medical Society of Wisconsin, held in Markson, in June last, the following resolutions with refercace to the immigration of the defector classes, were adopted, and a copy of the same in respectfully forwarded to you in accordance therewith.

Whencess, It is known that large numbers of foreigners belonging to the defective classes, such as propers, criminals, the insense, deaf mates, third, idiets, and lapers are anamally shipped to this country from other nations; that insurity, purperiors, and crime are increasing rapidly in this country, that the chief cause of this increase is due to the large numbers of detectives found among the "foreign born"; that the foreign-born element constitutes but one eighth of our population; yet this element furnishes one third of our insure, one-third of our paupers, and one-third of our criminals, and

WHEREAS, The present national law is not sufficiently potent to guard against the indiscriminate insulgration, and

Wincasco, The individual states and territories cannot act independently, Thursdore, Se ii

Resolvet, That the Possident of this Society be, and is knowly empowered to appoint at this section a committee of three of its members to act in the mans of the Wisconsin State Medical Society in presenting a memoral to the next legislature with tagent request that our legislature take immediate steps to place the matter properly before congress, which budy stope much take final action; and

Resilvel, That a copy of time resolutions be presented to each of our United States Senators, to each of our Congressmen, and to the President of each State Medical Society in the United States.

The committee appointed under the above resolution consists of Drs. B. M. Waggmion, Clark Capen, and Knett Hough.

Very respectfully,

S. C. JOHNSON, M.D., President, J. T. REEVE, M.D., Scenters. The President then announced the following committees:

On Unfinished Business,

A. Peck, M.D., D. A. Cleveland, M.D., M. A. Cremin, M.D.

On Downy Buches.

H. L. Hammond, M.D., S. G. Risley, M.D., C. L. Blake, M.D.

On Business:

B. St. John, M.D., or office.
 P. H. Ingalls, M.D.,
 P. M. Hastings, M.D.

the History Members and Doyces.

C. C. Godfrey, M.D., F. E. Heckwith, M.D., F. N. Braman, M.D.

Auditing Convention.

G. W. Harris, M.D., J. M. Keniston, M.D.

Consumer to Nominate Knopiete.

C. A. Seans, M.D., F. L. Dickinson, M.D.,

The Treasurer, Dr. E. P. Swarey, then submitted the following report, which was referred to the Auditing Committee.

REPORT OF TREASURED FOR THE YEAR EXTEND MAY, 1887.

Balance from old account. Becaived during facal year,	4	2	\$351.92 812.69
Total			\$1,363.91
Expenditures			604.79
Halanos in trecoury, May, 1867.			750.12
Increase of receipts over 1885,			247.89
Reduction of expenditures.		- 0	TELLE
Exems of receipts over expenditures,		-	207.94
Increase of Salance over last year,			116.62

Amount due on taxes for 1859.

Tolls	and Count	y.				-		Nothing
Hatt	ford Con	aty.				1	- 1	Sothing.
New	Haven C	ounty-						
	Reg. tax,	25 - \$5	0.86y le	so 10¢.		18	45,40	
	Spec tax	112 m S	1.50 -	\$24.00	Jose II	196	59:40-	95,40
Fair	field Cour	ty-						
	Reg. tax:	25 - 85	2.99, le	ex 10%.		. 3	45.30	
	Spec. tax	22 ML ST	.01-	822.00	less 11	150	19.50-	.00,00
New	London	County,	Trip. 14:	x. 4	88.00,	look	105	7.24
Litel	Beld Cos	nty-						
	Reg. tax.	14 - 82	8.0F, le	os 10 s.		1.8	15.24	
	Spec. 14x.	7 44 81.	25 - 8	8.75, k	sia 10g,		7.88-	23.08
Midd	liesex Co	inty —						
	Spec tax,	12 at \$1	25 - 3	\$16.25,	Jess 15	190	-	14.63
Win	Illiam Con	inty -						
	Rog. tax.	1-814	40, less	115.		- 8	12.60	
- 0	Spic las,	7 at \$1.	25 - 8	8.75, k	m 105		7.85-	20.48
	Tota	d,	0					\$237,39
Total	due on a	egular ta	s, line	19 per	cent		-	111.00
	due on a						-	125,79
								\$217,19
Iner	es of re	gular tax	es die	over la	d year,	. 0	-2	\$5.10

The Auditing Committee subsequently reported that they had examined the vouclers and found the report cornect, and it was accepted.

It was noted that a committee of three be appointed by the President to consider the recommendations of the President in his address, and report any advisable action thereon at the next meeting.

The President subsequently appointed as this committee: Brs. A. E. Abraua, P. H. Ingalla, and H. L. Hammond,

Forest, That the amendment to the by-laws, regarding despring from the list the names of members in arrears, which was introduced by Dr. Swavey at the meeting in 1885, and upon which so action was taken last year, be referred to the Committee on Unfinished Business.

This committee subsequently recommended the adoption of the following amendment, and it was so ordered:

"The clerks of the county associations shall drop from the roll of membership the names of all members who have refused or neglected for two or more years to pay their taxes due the society."

The following resolutions received from various county associations were read by the Secretary, and referred to the Committee on County Resolves.

From Litchfield County:

At the annual meeting of the Licelyfield County Medical Society held on the 12th day of October, 1896, the following resolution was passed

Readed, That the Litchfield County Medical Society desire to express their strappowers of the constant against of the question of awarding the constitution of the Councerious State Medical Society.

Mesclost. That they hereby request the Follows from this society to use their influence to prevent such agitation, both on account of its deletations effect upon the society and upon the community, and that the society be instructed to immunit a copy of these resolutions to the Secretary of the State modely.

A true copy.

W. J. FORD,

Secretary Littlefell Merical Society.

Wassingrox, Coxx., January 27, 1881.

From Tolland County :

TOTALAD, April 26, 1887.

DEAN DOCTOR, —At the annual meeting of the Tolland County Medical Society, held last week, the following resolution was passed:

Booked, That is our opinion further discussion of the charter question by the Pollows of the State Modical Society at its coming session, would be undesimble and projudicial to the best interest of the society. Therefore,

Remainf. That the Pollows, elected this day by this society, be respected to use their fact efforts to prevent the further discussion of what appears to se an imaginary grievance.

Respectfully yours.

W. IL CLARK,

From Hartford County:

To Dr. S. B. St. Jours, Scendary Connectical State Medical Society;

At the annual meeting of the Hartford County Medical Society, held. April 27, 1897, the following resolutions were possed:

Boolest, That the Hartford County Medical Society desires to express in disapproval of the countries agitation of the question of assembling the charges of the Connecticut State Medical Society.

Scotlers, That we hereby request the Fellows from this society to use don't influence to prevent much agination on account of its deleterious effect, upon the interests of the society.

W. W. KNIGHT, M.D., Girch Hartford Greatly Motioni Societa

Halerronn, May 18, 1987.

From Windham County:

Resolutions adopted by the Windham County Nedical Society at the annual meeting on the 19th of April, 1887.

- Witnesses, It appears that a uniprity of the members of the Consections Medical Society organi its possent charter and by have as inadequate to its wants, and believe that the best interests of the society demand a perison of the same; and
- WHEREAS, We appropriate with these views, believing such a revision practicable as will enhance the efficiency of our organization by securing greater individual interest and sense of possenal responsibility among its members, therefore:

Remired, That while we are not disposed to single the adoption of changes based upon our special preferences and predifections, but closefully to next the matter in the decision of a majority of the members of the Society, intelligently and legally expressed; yet we would take the liberty to suggest that in our opinion such a revision of our present charter and by laws as should substitute therefor an arganic law similar to that of the Massa character Medical Society, modified, perhaps, in some of its provisions to not superior requirements, would promote the medicines of our organization, rendering it more than hitherto the efficient exponent of the thought and apprentions of the profession in our State.

Resolved, That the Pellows representing as in the Ninety-sixth Arnual Convention of the Connections Medical Society be requested to present to the President and Pellows on that occurring a copy of these resolutions as the expression of our ricers, and to take such action in the presides as may then be indicated in furtherance of the same.

Attest: A true cupy.

CHAS. N. ALLEN, M.D., Clork Windlam County.

From New Haven County:

Wennersa, It appears from the report of the committee appointed to convase the vote of the society in relation to the adoption of a proposed new charter, that a majority of the members of the Consection Medcal Society favor a revision of the present charter and the substitution therefor of one more in accordance with its present needs; and

Witnesse, They believe that the time has fully come when such revision ought to be made, and it is their conviction that the interests of the society will be next served by abeliating the privileges and estructions which have either been conferred or imposed by past legislation upon any of its members; therefore by it

Readed, That is the opinion of this meeting a revision of the charter of our State Society ought to be laid at the rathest practicable mannest, and we respectfully request the Possident and Follows to take such action at their seat usual, meeting as will accure such recities, and to this end we request the effective or operation of the Fallows from the county.

> DR. CHAS. E. PARK. Clerk New House County.

From Fairfield County:

Mr. Pantioner, - Your committee would report

The Follows of the Competitut Medical Society are divided into two clamen

L. Ex effects, comparising -

1. President,	-	- 1
S. Vice-President, State,		- 1
S. Vice-Presidents, County Societies,		- 8
4. Committee on Matters of Perfusional Inter	rest.	- 3
5. Secretary,		- 1
6. Treasurer.		1
Ex office total.		15
Alestine Phinese, from -		
I. Telland County,	+	3

11

The other seven Counties, five each,	-35
Elective total.	729
Ex officia and Elective total.	60

New making a representation in the conventions of the society of one to about every nine and two lifths members.

The councilors of the Massachmetts Medical Society are elected by the various district societies in the satio of our to ever eight Fellows.

Your committee would propectfully recommend that the present name ber of Petions he immused, so as to enlarge the conventions and to enable each memor of the society to more frequently attend in an official capacity; and therefore propose the following plan, which gives a larger proportionate representation to the Society, notwithstunding it divides the representation in havor of the less populous counties. We would recommend that each county, irrespective of numbers, he excitled to five Fellows for the first twenty five or a less runter of members of the county torieties, and to one additional Fellow for each twenty tire additional members. over treaty five or fraction of twenty-five, the or efficie Pellows to remain to alt present.

The conventions would then counter of -

- I. Et officio Fellore, 15; and
- II. Evetine Follows, as follows:

	County.	Montey.	Filtrers: Pres. No.	Frillows: Derviers.	Tent No.	Dates of Polices In Members
Danes and	Hardoni, New Hasen, New London, Pairfield, Windham, Litchfield, Middlesex, Tolland,	118 106 41 78 81 105 207 119	5 5 5 5 5 5 5 5 5	4 5 1 8 1 1 1 8	9 10 8 8 6 6 6	1 to 124 1 = 131 1 = 01 1 = 01 1 = 01 1 = 01 1 = 01 1 = 01
Ī	Youl Election, Total Ex Officio,	100	138	19-	76 11	1 " 811
	Total,	1	91	3	π	10.7/

Respectfully submitted,

DR G. L. PORTER.

Da. W. C. WILE inteenti.*

Du. W. H. DONALDSON,

Committee on Change of Medical Representation to State Society.

Dr. H. A. Carrington, chairman of the committee appointed last your to confer with representatives of the Homosopathic and Eclectic Societies in reference to some practical action looking to the adoption of some such act as that recommended by the American Medical Association to regulate the practice of medicine, reported as follows:

To the President and Polices of the Connecticut Medical Society :

Your committee, appointed to confer with the Hemmopathic and Execute Societies in regard to legislation in the interest of the profession, respectfully report:

That two conferences were held with the committee from each of the above excision, and after discussion of the various plans, a deaft of an set on which find agreement was had was presented to the Legislature, but at so have a day in the master that it was found impracticable to carry it through to find action, and so it was laid over to the next scales. While this set will not next the wishers of all, and while the committee do not regard it ideally perfect, will it is believed that it commits all that it would

^{*}No longer a member, baring removed from the State:

he practicable to attempt to carry into effect. A copy of the faw proposed in appended."

(Signed.) H. A. CARRINGTON, M.D., W. A. WAINWRIGHT, M.D.

It was voted that the report be received as a report of progress, and the same committee be continued for another year.

A proposition to publish the list of officers of the Society in the Journal of the American Mulicul Association, was laid upon the table.

A circular from W. B. Dungitson, chairman of the Finance Committee of the Ninth International Congress, asking for feancial help from the excisty, was read by the Societary.

There being no funds in the Treasury above what would be needed for the current expenses of the smuling year, it was Voted, "That a committee of one from each county be appointed by the President to solicit subscriptions in aid of the Ninsh International Medical Congress."

The Prevident subsequently appointed as this committee:

Drs. E. P. Swasey, Max Matthense, A. E. Barber, J. B. Derrickson, S. G. Rudey, F. N. Braman, L. Hollrook, and D. A. Cleaveland.

It having been found necessary, as there were no essays this year, to have the committees appointed before the essent, in order that the flusiness Committee might prepare a programme to cond out with the announcements of the convention, thereby infringing upon a by-few of the society, it was voted that the sciton of the President is so doing be onlossed.

The Nominating Committee consisting of

Diss. A. E. America, Hartford County,
Max Manisconer, New Haven County,
L. B. Ather, New London County,
A. E. Barrece, Printedd County,
L. Hotanoon, Windham County,
J. F. Caler, Middlesex County,
R. S. Gooden, Litchfield County,
W. N. Chars, Tolland County,

then beought in their report in follows:

President, Dr. Francis Baron of New Haven. Vice President, Dr. Gao. L. Porter of Bridgeport. Showlarg, Dr. S. B. St. John of Hartford. Transacci, Dr. E. P. Swaney of New Britain.

Committee on Matters of Physicianal Interest.

Geo. R. Shepherd, M.D., P. E. Beckwith, M.D. Jan. Ofmated, M.D.

Committee to Numinate Physician to the Retreat for the Instance, B. W. Griswold, M.D., P. V. Burnset, M.D.

Committee of Publication: H. S. Fuller, M.D., Secretary and Transmer (or office).

Committee of Arrangements,

Wm. H. Carmalt, M.D., J. E. Thacher, M.D., Max Mailhouse, M.D.

Dissertator.

W. H. Carmalt, M.D.

Alternatio.

R. M. Griswold, M.D.

Delegates to American Medical Association.

Drs. Lewis Barnes of Oxford, Alfred North of Waterbury, W. L. Barber of Waterbury, C. J. Fox of Willimantic, A. W. Nelson of New London, T. M. Hills of Willimantic, J. M. Koststen of Middletown, William Deming of Litchfield, M. C. O'Conner of N. Haven, P. H. Ingalls of Hartford.

Delegates to Maine Medical Association. Dr. Rufus Baker, Dr. N. Nickerson.

Dr. W. L. Platt, Dr. Le S, Paddock:

Delogates to Vermont Medical Association, Dr. G. B. Packard, Dr. H. G. Hause Delegates to Marrachamilto Medical Association. Dr. L. Hollerock, Dr. W. T. Browne,

Delegates to Rhink Island Medical Association. Dr. P. Cassidy, Dr. G. F. Lewis.

Deleyster to New Jersey Medical Association, Dr. C. C. Godfrer, Dr. H. P. Gerle,

Delegates in New York Medical Association.

Dr. Wm. G. Brownson, Dr. H. A. Carrington.

The Secretary was instructed to cast the ballot of the society for the foregoing officers, who were declared elected.

The following amondments to the hydren were proposed, and under the rules, lie over till next year for action.

By Dr. Dangias

Washof, "That the by-law enseted in 1884, by which the office of Secretary was made permanent, be repealed."

Reselved, "That the last two words of Section II, Clupter, V., be stricken out."

By Dr. Ingalls:

Reached, "That Chapter 111, Section 1, of the brokers be amended so as to read: "There shall be an amenal meeting of the President and Pollows of the Connecticut Medical Society preceding the second convention of the society, and in the same city where the convention is to be held."

By Dr. Wright:

Resolved, "That no question shall come before the society for vote unless it shall previously have been passed by the Fellows".

The Committee on Honorary Degrees and Membership, reported the name of Prof. Ino. Call Dalton to be brought before the Fellows next year for election as an honorary member.

Voted, That a special session be held this evening to listen to a paper by Dr. E. W. Cushing of Boston, upon "Ulcerations of the the Utari."

Dr. W. R. Bartlett of North Guilford, having tendered his resignation by reason of ill health, it was could that it be accepted. The names of Scott E. Baker, E. T. Cornwall, and J. J. M. Neville from New Haven County, and E. D. Neoney and R. Le Bohannan of Fairfield County, having been presented by their respective county associations for expulsion by reason of persistent non-payment of taxes, it was voted that they be expelled.

The Connecticut Pharmacentical Association having sent an invitation to the Connectical Medical Society to appoint delegates to their next annual meeting, it was voted that the invitation be accepted, and that the President appoint three delegates to attend the meeting at Williamstie (first Tuesday in February, 1888).

The Procedent subsequently appointed as this committee:

Drs. L. B. Almy, T. R. Parker, W. A. Lewis,

Fotor, That the annual has of two dollars, payable on and after duse L. 1887, he assessed on each member of the society; also thus 200 cupies of the Proceedings be published.

The Committee on County Besolves then brought in their report, as follows:

The Convenince on County Resolves would respectfully report, that they have considered the resolutions presented by New Horen, Hautford, Fair field, Litchfield, Windham, and Tulland County Medical Societies, to this Convention.

We beg inter to report favorably on the resolutions presented by the following counties, to wit: Hartford, Litchfield, and Tolland, to the effect, that further discussion of the question of a change of charter is propolicial to the best interests of the Society.

And we further report surjenerally on the resolutions from New Harms, Painfield, and Windham Counties, which resolutions suggest further disreceive on the change of charter.

W. L. HAMMOND, S. G. RISLEY, C. L. BLAKE

Foted, That the report of the committee be not accepted.

Dr. Wright moved that the absention of the sharter as suggooted by the Pairfield County Society, so as to have five members at least for each county and one additional member for every twenty-five members above the first twenty-five, be adopted.

In the discousion which ensued, Des. Douglas, R. M. Griswold, Hollstock and Carrington, spoke strongly in favor of a change in the charter. Drs. Cleaveland and Carmalt book the opposite ground, and Dr. Carmalt read the following letter, written by Dr. Williams of Roston, an ex-President of the Manuchanetts Medical Society, which is of interest as tending to settle a question which has been often brought up in this discussion of a change of our charter, viz.: the question whether under our present system the members of the Connecticut Medical Society have any less privileges or fewer rights than have the members of the Massachusetts Medical Society.

15 ARLINOTOS SE., Bestos, May 7, 1887.

Draw Doctron,—I have carefully compared the charter and by lowe of the Connecticat Medical Society with those of the Massichusetta Medical Society. The only important approved difference seems to be in the proviso that in the Connecticat Medical Society, the President and Pellows have power to make and after the by have, whereas, in the Massichusetta Hedical Society this power is so far conjoint that by laws, after inving been subspiced or medified by the council, are arted on by the society.

This difference is de firete of little importance, the actual exercise of power being confided abuset wholly, in both a science, to a minority of the members, elected for that purpose by the county or district exciteits: in Connecticut, designated the "President and Feffores," in Massachusetts, the "Connect."

In both societies, every premier is the equal of every other in being eligible to every office, with the exception that in Massachusetts note but a Councilor can be elected President of the society.

In mether of the two sericies can the symbers vote directly for the officers of the accept; the elemen being made, in Connection by the President and Fellows, in Massachusetts by the Council. The members of Connection society have, knowner, an advantage in the right to be present at the mostlage of the President and Fallows; and, if so disposed, to make nominations for officers, after the presentation of the list proposed by the nominating committee, which committee is made up, at in Massachusetts, of one member elected by each branch society; and, furthermore, in the eight to perform all the duties of Pellows except soting. These privacers to not exist in the Massachusetts Middeal Society, where, moreover, only Connection are eligible for election on the nominating committee for officers.

The share actually exercised by the members in the management of the society is larger in Geopericus than in Massachus etts. The voting body (President and Pellows) is made up of four executive officers, thru of a committee on matters of professional interest, eight Vice Presidents, or affew, and thirty-eight Pellows elected by the county swieties.

Thus constituted, this body lears almost the same proportion to the ratio membership of the society as in Massachusetta (where one is eight members may be Consections). But whereas in Massachusetta an substitution among the electors is provided for, in Connecticut such of the thirtyeight Fellows may be represented by an alternate, and thus nearly the whole number of Fellows would often vote at a meeting of the President and Fellows, while in Massachusetts less than three-fifths of the Comcilors are meanly present at the meeting for elections, and only about opehalf at the other meetings, many being necessarily detained at their homes. Moreover the Vice-Presidents or efficience that not so in the Massachusetts cut Board of President and Fellows, but not so in the Massachusetts Council.

Except these providents of district accieties, who are or efficie vice-posidents of the Massachusetts Medical Society, all the officers of the present society (except the board of except chosen is each district) are elected, and vacuacies are fitted by the Council; and all the important contributes are appointed by the council on the association of the President, who, likewise, fills vacuacies in the contribute on trials and the committee on ethics and discipline, and designates members of tearth of trial. As a rule, no business is done at the annual meeting of the Massachusetts Medical Society beyond receiving the reports of the Treasurer and Secretary. If a sentence has been decreed by a board of trial it is conditional without delate by the society, if an appeal has been made to or if a new trial has been meased by the Council.

Amendments of by laws may be proposed at the annual meeting, but can actibe be considered nor arised on except at an adjourned annual meeting of the society, at some subsequent date, when, after baying been approved by the council, they may be acted on by the society. This arrangement was hong since subspied by the society to obvious the incressupplicated its acientific work by discussions of proposed alterations of its by-laws; which formerly sensitives consumed nearly the whole time of the annual meeing. It has been found not only convenient, but sometial, on account of the large membership of the Massachusetta Medical Society, to confersionality powers upon its less transcrous Council; which, elected from your to your by the district societies, may be considered as fairly, as well as largely, representing the entire body of the members.

HENRY W. WILLIAMS.

Dr. R. W. Graweld moved to by the motion on the table. So ordered.

Dr. Grawold then offered the following:

Brailed, That a committee of one from each causty be appointed by the Posside 2 to report to the next annual convention upon the matter of a rection of the Choror with an act to that intent if decined admission.

This was subsequently amended by having two from each county instead of one, and inving them appointed by the county associations, and in this shape the motion was passed, it being inderstood that too were to be appointed from each county, in order that both sides could be represented.

Adjourned till 7.34 K.M.

THE ANNUAL CONVENTION.

THUMBAR, May 26, 1887.

The second day's exercises began at 5.45 a.m., the delay being caused by the absence of the President, who was detained at his home by illness. The Vice-President being also absent, Dr. R. L. Strickland, vice-president or office, from Hartford County, was selected to preside.

The Secretary made his report as follows:

SECRETARY'S REPORT.

From all counties we have an addition to our ranks of twentyseven members. New Haven contributes 7, Fairfield 5, Windham 4, Hartford 6, Litchfield 3, New London 1, and Middiesex 1.

Death has removed the same number as during the preceding year. Of the nine who are gone, 3 belonged to New Haven county, 3 to New London, and I each to Pairtield, Litchfield, and Middlesex. Of these, three at most can be classed with those who have attained to fullness of years, and one was quite a recent graduate. The mortnery list includes one of the ex-precidents of the accept, Dr. Carlston of Norwich.

The list is as follows: Drs. Wm. C. Bernett, C. M. Carleton, E. F. Coates, J. W. Daet, G. B. Farnam, T. B. Gibbons, W. O. Ayres, A. A. Bengh, and Jan. Welch.

Seven removals from the State, and 8 resignations and expulsions leave us with a net gain of 3 members, and a total membership of 503.

The following is a list of new members, with date and place of graduation:

Horbert S. Reynolds, Clinton, 1881, University of New York.

Henry L. Swain, New Haven, 1884, Yalv.

Geo. T. Boolittle, New Haven, 1884, Yale.

Jas. W. Scars, New Haven, 1885, Yale.

Thea. G. Lee, New Haven, 1886, University of Pennsylvania.

Carl E. Munger, Waterbury, 1883, College of Physicians and Surgeom, New York.

Robert Horgerford, Seymour, 1885, College of Physicians and Surgeons, New York. Chas. H. Brockett, New Haven, 1886, Yale.

Chas. B. Graves, New London, 1886, Harvard.

Frederick H. Dart, Nisstic, 1883, College of Physicians and Surgroup, New York.

Wm. F. Frenck, Noroton, 1881, University of New York.

E. R. Lyon, Bethel, 1885, College of Physicians and Surgeons. New York.

J. C. Lynch, Bridgeport, 1886, University of New York.

G. Talreadge Brown, Sandy Rook, 1818, University of New York, Willia E. Weed, Budgefield, 1884, College of Physicians and Surgeom, New York.

Jan J. Avenil, Palls Village, 1868, Vals.

Geo. H. Knight, Lavoville, 1886, College of Physicians and Surgeons, New York.

D. Christer Brown, Washington, 1884. Yalic-

Goldon C. Segur, Hartford, 1882, College of Physicians and Surgroup, New York.

G. C. Bailey, Hartlerd, 1886, University of New York,

Frank G. Burnell, South Windsor, 1880, University of New York. M. T. Newton, Suffeld, 1851, Yale.

Chas. A. Gillin, Berlin, 1883, University of New York.

Hernes C. Benne, New Entain, 1883; University of New York.

Wm. J. Conner, Willimantic, 1883, University of New York.

Everett D. Card, Willimantie, 1881, Clark University.

Napoleon Malo, Danieleonville, 1879, Victoria Cellege, Mentreal, F. A. Morrill, Patnam, 1886, Long Island Medical College.

The annual address by the President, Dr. T. M. Hills of Willimantic, subject: "The Young its Poor and the Physician's Legal and Humans Relations to them," was emitted by reason of the absence of the President.

The Committee on Matters of Professional Interest then submined their report. (See report further on.)

Dr. W. H. O. Taylor presented his credentials as delegate from the New Jersey Medical Society, and was introduced by the Frendent. He responded in a brief speech.

Dr. A. T. Deuglas reported, so delegate to the meeting of the New York Medical Association, that he attended the meeting, and found it unrevially profitable and interesting.

Dr. Abruns of Collinsville, read a dissertation on "The Treat-

ment of Discussion of the Ear by the General Practitioner. (The paper and discussion are reported alsewhere.)

A discussion upon Dr. Cushing's paper, read the provision ovening, was then participated in by Drs. Carmalt, Stores, Cushing, Avery, Nelson and Ingalis

Under the head of Wiscollancous Business, Dr. St. John introduced a subject which he said he approached with extreme refresance. Last autumn a private circular, subscribed by a member of this society, was published and sent throughout the State to memlars of this society, containing statements which were insulting to the twenty-five Pollogs who last your coted to sustain the present form of organization, charging them with using their temporary power to override the will of the majority of the society, insulting to the Publication Committee, whom 2 charged with refusal to print in the "Proceedings" a fair statement of facts in their relation to the question of proposed charges in the charter, and musiting to the Secretary, whom it charged not only with neglect of disty and disabelience of redon, but with remaining quies and having nothing to my in reply, when these charges of neglect and disobelience were made at the Fellows' meeting two years ago. In regard to the list charge the Secretary asked permission to read the following letter received from the pentleman who provided over that meeting two years ago, our honored ex-provident, Dr. R. N. Comings of New Britain:

NEW BESTAIN, Oct. 20, 1886.

Data Decrea,—In regir to yours of first inst., saking me to recall what took place at the Petions' meeting in May, 1888, at which I presided when Dr. White charged you with neglect of shay in use mading copies of the "Proposed Charter" to every member associately after the special meeting of the Fellows, in January, I would say, that I remember that you at once rase and stated that you was to cash county elects a sufficient number of capies to place one in the hands of every member in oltendance at the county meetings, and that you enclosed a copy with each programme of the around meeting sen to all the members of the oxiety, and that in so doing you considered that you had earlied and both the spirit and the lister of your instructions, and had saved the society considerable postage. I cannot, therefore, understood what Dr. Bubbard means by saying that when the charge was made. "the Serrytary was elect and made to sign."

You containly made in explanation, and to me, a entisfactory one.

Yours,

The Secretary asked if the society sught not to take some action in this matter.

Dr. Carmalt said that in the circular alluded to be had been represented as using offensive personalities in his remarks at the Pellows' meeting in 1886. He was not aware that he had done so, did not mean to do so, and was ready to apologize in case it could be shown that he had done so.

Dr. E. C. Kinney, who presided over the Pollows' meeting in 1886, said that he listened attentively to what was said and was not aware that any offereive personalities were uttered.

He then moved the following remission:

Residual "That the society conferms the publication of private circulars as a method of redressing greevaces or bringing to notice alleged neglect of daty by officials of the society."

This resolution was passed by a vote of thirty-seven to six.

Dr. Geo. R. Shepherd then read a paper on "Climacteric Glycouria."

Dr. Riemi Robinson read for Dr. J. R. Kent of Putnam, a paper on "Relations between Scrofula and Tuberculosis."

In the discussion of this paper Dr. A. W. Nelson remarked on the apparent good effects which had followed the use of compared oxygen in a case of phthisis.

Dr. T. H. Russell rend a paper on "New Remedies," speaking of Antipyrms, Thalline, Katrin, Antilebetz, Paraldebyde, Cocaine hydrochlorate, and Drumine.

This paper was discussed by Drs. Carmalt, Michouse, and others.

During the meeting a telegram was received from President Hills at Williamstic, explaining his absence by reason of sudden illness. The senety, on motion of Dr. Wainwright, voted that a telegram expressive of sympathy, and of hope for his speedy recovery, he sent, which was subsequently done.

The following telegram was also received:

PROTERENCE, B. L.

To the President and Members of the Connection Medical Society :

Having designed at direct times to attend your sections, as a felegate from the Bhode Island Medical Society, your younger sister, not yet quite four source years of age, I am again at this time grierously disappointed by senses of illness. As the next best evidence of good-will, I forward

my solutations, and greet you in the name of the Rinch Idaul Medical Society, with the warmest assurances of our high regard and our best wakes for year prosperity.

CHAS IL PESHER.

It was ordered that a telegram of thanks and reciprocal good wishes be sent Dr. Fisher, and it was subsequently sent by the Scoretary.

The following papers were read by title and referred to the Committee on Publication:

"The Alcoholic Question Medically Considered,	"Dr. T. D. Crothers.
"Advance of Medical Science,"	Dr. Lewis Barnes.
"Belief in Dymoches,"	Dr. H. Fleischner.
Medico legal Study of the Chamer of the	
Connecticut Medical Society,"	Dr. S. G. Hubbard.
"In Smoking Injurious ?"	Dr. A. E. Admos.

"In Smoking Injurious?",
"The Adirondarks as a Resort for Health,"

"The Adirondacks as a Resort for Health," Dr. W. S. Todd.
"Treatment of Hip Joint Disease," Dr. H. S. Otia.
"Nestrectoury of the Tri-Facial Nerse," Dr. M. Storre.

"Nearestony of the Tri-Facial Nerve,"
"Treatment of Chronic Pulmonary Diseases

. Dr. M. M. Johnson.

Medical Society). Prof. H. C. Bohen, Trunty College.

The dinner hour basing arrayed, the society adjeurned at 1,45 to particle of a dinner at the United States Hetel. At this entertainment Dr. H. P. Stearns, Anniversary Chairman, acted efficiently as Master of Gersmonies, and outertaining speeches were made by Gen. J. R. Hawley, Lieunenant-Governor Howard, President G. W. Smith of Trinity College, Lewis E. Stanton of the Hartford Bar, Chus. H. Clark of the Courset, and Dr. Carmalt of New Haven.

S. B. St. JOHN,

Secretary.

By reason of libres the President's Address to the Convention was not brought into suitable shape, either for delivery before the Convention, or for publication in this volume. The commutate large to be able to publish it as a supplement before the next meeting.

DISSERTATION.

THE TREATMENT OF DISEASES OF THE EAR BY THE GENERAL PRACTITIONER.

By A. E. ARRAD, M.D., HARTFORD,

In these days of rapid progress in medical stience and art, the ambitions practitioner is everyledmed by the new discoveries and new theories that are poured in upon him. Each issue of the various medical journals that some into his hands is filled with reports of the lately discovered germ, the best antiporatic, or the last novelty in the treatment of pulmonary diseases. His desk is facet with confidential circulars assuming to infallitly guide him. is selecting from the various manufacturers who so persistently and extensively advertise. One may read pages of statistics on and discussions regarding abdominal surgery, but four-lifths of the practicing physicians would find much more to aid them in their daily work from an able article on the treatment of speaks or the rarious forms of dyspopsia. Slight ailments make up much the larger share of what we meet in our daily rounds, and upon the successful management of those must depend, in great degree, our success or failure in the production we have chosen. The announcement of a capital operation will fill the mate of a clinic with suxious medical students, while the professor that would illustrate the removal of a foreign body from the conjunctiva will talk to half supply souts. Yet a very small per cent, of the men who receive the degree of M.D. from our hest colleges, can at the time of graduation quickly and easily turn the apper his and examine the eye in an intelligent manner for a foreign solutance. I would to the last to condemn the spirit of progress that is so active to-day, but if we as consecutious physicians are to do the best for our patients, we must look well after the alleviation and cure of the slight allments that fall in our way.

An acquaintance of more, who is a practitioner of excellent judgment and some repetation, once said to his former preceptor? "I get along very well with the regular cases that are his? down in the text-books, but there are many cases Learnet name and they treable me." Who has not had a similar experience? I have said this much by way of apology, for I claim nothing newor original in the contents of this paper, but I trust the subject is worthy of your consideration. I have selected the treatment of diseases of the ear for two reasons:

First Such diseases in the greater number of cases must, if recognized in the early stages, when treatment is most successful, be detected by the family physician.

Second. Because too many physicians are under the convection that diseases of the ear belong entirely to the province of the specialist, and hence give the subject little if any attention. It is almost fourteen years to a day since Dr. Rocea wrote as follows, in the preface to his valuable work on otology.

"The practice of stology in this country was a few years since almost exclusively confused to charlacaes, but it is now cubitated by a class of man equal to my in the perfection. Ten years ago, is most parts of the country, those who waited advice upon a disease of the ear were forced to seek aid conside the profession. At the persent time there can be found those in the large cities who are constantly and successfully treating arral diseases, and all over the land the old and familiar advice. Not to moddle with the ear," is growing far lose frequent. The day will seen arrive—if indeed it is not already upon us—when codegy will take equal rank with ophthalmology to which department it has as long been a more appendage, and when some knowledge of the diseases of the eng will be required of every practitioner."

Dr. House writing to day could take even a more hopeful view of his favorite field, but there is yet great room for improvement. Thousands of mass are every year allowed to progress slowly, but simily, to immrable dealness from want of knowledge or attention on the part of their regular medical attendant. Especially is this true in New England, where catarrial disease of the middle our is so common. I not infrequently must person that are incapacitated socially, and hampered in their landness by catarrial dealness, who had access suspected that any means of cure had even been thought of or practiced, their medical advisors turned them away with the usual directions to springe the ear with warm water, and put in a few drops of award oil or glycerine.

A "cold in the boad" is regarded very indifferently by most patients and many practitioners. After the distressing, acuse symptoms have suisided the case is considered cured, but there is still lurking in the mosopharyngeal space and along the quatachian tube a considerable degree of inflammation that is laying the foundation for disease of the middle ear. I have repeatedly seen intelligent patients that were positive they experienced no moonfortable consistent about the ear, and enfered no impairment of bearing until long after they had apparently recovered from armse corysa. This has led me never to dismass such patients without carefully examining and testing the ears. The patient's statement as to the tearing will ad you but little. Their reply will often be that they "bear well enough," or "as well as ever," when the scatch test will give only twenty forts eighths, or even less

The following case from my note-book, is a fair illustration of those cases.

Mass S-, aged 25, teacher. Had bud feeling in her right ear twenty months ago. Two months ago she accidentally discovered that when lying on the left me she could not hear her clock tick-Had also noticed that her popils do not seem to speak as distinctly as nexal. "Has had calarrh nearly all bur life." Both notitory canals are nearly filled with common. Hears the watch at teninches on the right, and forty-eight on the left side. Chronic pharyngitis and marked congretion of the nasal mucous membrane. Removal of the cerumon did not improve the bearing. end of two weeks of treatment she bears the watch at surrents two inches on the left, and forty on the right. She now reports once in two or three months, but thus far has fully maintained the hearing acquired during the first treatment, and suffers no inconvenionce in her flatios as tencher. She had been almost constantly under the care of her family physician for the throat difficulty, but it was not even suspected that she was growing deal, until she discovered the fact as stated. But the ability to recognize and relieve catarrhol deafness is not our whole duty, and prevention demands a word helons we leave this part of our subject.

Excessive wrapping about the nock is, I believe, a prolific vanue

of catarrhal diseases. The parts are kept constantly bathed in a too abundant perspiration, and rendered exceedingly sensitive to all droughts of air se changes of temperature. Dr. Brown-Seouant speaks of the neck and the fact as the "catarrhal-geneticareas," and advises that they be rendered less sensitive by blowing a blast of cold air on the back of the neck, while the feet are immersed in cold water. The same principle may be carried out in a less troublesome way. Cold water bothing of the neek and shoulders upon rising in the murning, and following it by brisk friction until the parts are warm and view, has been in my hands worth all other means combined in the presention of corym and broughten. Inin and cod liver oil internally and inunctions of olive sil are very ineful adjuvants in poorly nourished patients For those who cannot digest cod liver sil comfertably, the menetions of oil daily are invaluable. In a recent article in the Medical Record (April 36, 1887, p. 498), Dr. Wm. H. Thomson enlogizes the cold-water method, and discusses the subject in an intensity interesting manner. When a ferroginous tonic is desired in cases of chronic catarrial affections of the upper air passages, I have yet to find anything as good as the common condition of tineture of 1000 with chlorate of potash. Regarding the importance of fat as a preventive of nervous exhaustion or susceptibility to cold, Dr. Lander Brunton in his late work on the disorders of digostion mentions a pertinent case. When the great swonmer Julianou attempted to swim seroes the English Channel, he fainted, and when lifted into the accompanying boat, his limbs were per-Seetly medium. This, Dr. Bramon attributes to the action of cold rather than muscular exhaustion. A little later, when Webliattempted the same (eat, Dr. Brunton predicted he would fail, but says he sai not take into account that Webb was provided with a much thicker layer of ententaneous fat than Johnson had been, and to this be attributes his success, as it protected him from the prolonged exposure in cold water. Dr. Brunton also potes that in animals living in very cold countries the lat is distributed over the entire body, while in animals exposed to a short winter and very oppressive summer, the fat is collected in lamps or masses, where it may be consumed when an mentioning supply is taken in the food. They are thus pretected to some extent in winter and relayed of an appressive burden in hot weather. The rebra of India, the yak of Tarrary, the buffalo of our own peairies, and the

careed of the African or Asiatic deserts, illustrates the fact. You will pard on me for this digression, for it is of the highest importance to fully recognize the principle involved in the prevention of cateerhal discusses and thus indirectly, certain forms of discuse of the ear. The associate class of cases arising from cateerhal intharmation should not be confused with another group which Dr. Becom etyles thronto proliferous inflammation. The latter is much less amenable to treatment, the timities arrives is more persistent, and there are wanting the excessive ascretion and other symptoms of entarrhal inflammation in the saso-playingeal space.

The case of catarrial disease of the mindle our least likely to seespe afternion and treatment are those in which the symptoms are very arrive in the beginning. It is community known as ear ache, and is familiar enough to most physicians and many mathers. Very often no medical advice is sought, so the patient or attendants have burned by experience how the pain may be in part at least controlled, and as seen as the acute symptoms are over, the case is left to take its course, which is usually loward imperfect hearing later in life. No age is exempt from the disease. I recently met a case of a child but five weeks old. When seen early, it is almost certain that the pain may be relieved and the disease cut short before it reaches the expountitive stage. Many ever-gise nurses at the present time advise little interference as wit will be all right when the ear runs." In severe cases, leaches should be applied is from of the imgus, and the patient put to had with but applications to the lower extraorities. If Seeches are not at hand the hot doucho used in the external auditory canal is a very efficient substitute. It must be used very freely and in a contimpous stream; I rurely use less than two quarts. In some cases a few minims of a four per cera, solution of cocaine dropped into the canal will give immediate relief. In other cases, it has entirely failed me. I believe it is most merful when the pain is principally confined to the membrana tympani. Solution of morplus or atropia are sometimes of service, but they are not to be compared with leeches, the hot doughe, and cogaine. It is not usually advisable to use the Polimer air bag ustil the pain is relieved although a little chloruform vapor may be formed into the middle ear and aid in relieving pain. If, notwithstanding these measures, the active symptoms penul, - the membrane bulging and repture seems annin-ut, - paracentonis should be performed. With a good light and an intelligent assistant, the operation is trivial, and with the use of squaise, or even without it, no other accordictic is necessary. The most posisioent part of the membrane should usually locate the line of incision. In those cases arising during searlet fewer, diphtheria, typhoid fover, etc., paracentesis may be the only means of saving the membrane from being except away, and should be made early if milder measures do not quickly relieve. It is well to inflate the middle our after the peneture is made, and thus force out pus or morus that may be collected there. Often the sampe of a few drops of serum will give great relief and turn the case toward contalescence. When the mason'd region is involved, beeches and bot disconstions may suffice, but often an early incision flows to the bone is the unity safe treatment, and even drilling into the mustoid cells of the incision does not relieve. I cannot pass this part of our subject withour calling attention to a paper read by Dr. Samuel Sexton, early in 1852, before the New York Academy of Medicine, and pullished in vol. 21 of the Medical Record.

The doctor styles his paper. The treatment of diseases of the middle ear and contiguous parts by milder measures than those community in vogus." He would rarely use terches, still less the knile. He would deposit even in the need impromising cases on the administration of snilphide of calcium (one-half grain every three or four bears), account, gelesminm, or polastilla in small does frequently repeated and hot vapor or hot air.

Speaking of the sulphide of calcium I quote the doctor's words. If So certain am I of the action of this drug in inflammation, that I have not I should it necessary for several years past to resort to leeching, in any case, however severe, and I am scamely over about the sar. When large collections of purchase may where about the sur. When large collections of purchase already formed in the subcuraneous tissue, it is, of course, nearly always necessary to large them promptly; but when the periodoum of the material process, or of other regions must the car tocomes inflamed and purchased to form beneath it. I repart the near operation of cutting down to the home for the relief to this condition before giving the drug (calcium sulphide) a fair trial, as not only unrecessary for the cure, but also a cruel infliction to the patient, and thely in many instances to very much aggravate the case. I have usually found that the early administration of the calcium

sulphide in these cases very promptly relieves the symptoms which are usually thought to require the use of the knife."

Although Dr. Sexton is so sangume regarding the power of calcium sulphate I think there are but few physicians who are willing to allow it to displace well-tried and very positive measures. In supparative disease of the ear I nearly employ it is connection with other treatment and believe that it shortens the duration of the disease. The cases is which the acute inflammation of the middle car is allowed to progress to the stage of suppuration and then be totally neglected are very numerous; this is especially true after searles fever, typhoid fever, and affect diseases. The ared excital of a few cases will fairly illustrate this point.

The notes of the following case were kindly fermined by my former associate Dr. J. A. Steven;

- Miss R., agod 26, had typhoid fever when eight years old, and recovered after a long illness. Supparation occurred in one of the sars and the discharge has continued ever since, i. c., for eighteen years. She had consulted several physicians who hid bur nothing could be done for it, and her trends informed her it would probably injure her health very much to leaf it. Fifteen years ago she suffered from maxical disease and an incison was made. A second masorid abscore formed during the just miner, which Dr. Steven opened. The our was tilled with eneral small polym. and the words could not be heard at all and concernation with great difficulty. Several of the polyte have been received, the supportion checked, and the now hours the watch at three-inches. Eighton years of discharge from the ear, two periods of several weeks each of severe suffering, and the constant danger of meningitts and douth, all for the want of a little proper treatment during her convalescence from the fever,"

The following from my own note-book is a similar case;

"Mrs. Blank had typhoid fover sleven years ago; more or less discharge from both ears ever since; hears conversation with difficulty; watch, right our, one inch; left our not at all. Nothing has ever been attempted or advised for the relief of this consistion. One month after the beginning of treatment the discharge had entirely consed and shows no disposition to return at the end of cloven months. Hears the watch at six inches on the right side and three on the left. Converses quite reachly with persons who speak distinctly."

The peoper treatment of such cases as the above is as important to the general practitioner as the treatment of preumonia or dysentery. It is never sufficient to send pursuits or friends away with instructions and hope to leave the case successfully in their hands. The whole secret lies in the thorough cleaning of the parts involved and to do this requires a good light and a proper syringe. The small chesp glass syringe, so often put into the hands of patients, is a very mefficient instrument. A hard rabber syringer especially made for the car, and having a capacity of one to two ounces, is the most desirable, and the cost is to most patients not an elijection if a murse or intelligent friend can be entisted to properly user it. The syrings should be used with cantain at first, as many are made very dizzy by it. Patients will cometimes object to the syringe as their former experience has taught them that directed is liable to follow, but I have never seen a case in which I was chilged to cost the washing on that account. Since the publiention of Dr. Burnett's article on "The advantages of the dry treatment in storrhaul diseases' in the American Journal of Malinel. Sciences for 1887, I have rarely found it necessary to supply my other method. The ear is throughly cleaned and dried with absorbent cotton and then by means of a tube from which it may he blown in, or what is better a good powder-blower is used to dust the parts theroughly with some non-critant disinfectant powder. The puly, boracic acid is the one generally employed, although in obstinate cases adolorm is often useful. The horacic seed must be thoroughly trinumted, forming a perfectly smooth, silky powder when examined between the Ingers. That prepared by Wyeth Brothers of Philadelphia, is the finest that I have ever seen. When the discharge is profess the powder should be introduced twice a day by the patient's attendant, the car being grady wiped out with a probe and tilt of shiorbest outlos before the peerder is introduced.

It is only in exceptional cases that I ever prescribe irrops of any kind to be used in the ear. The percente of hydrogen in solution is valuable for elementing the desper parts of the ear, and may be entrusted to patients for home tree if the syringe is advised. It rapidly existing dried pass that is enterwise often difficult to remove. In certain cases I use advingents in solution, but they form the minority of cases.

In cases of chronic discharge from the our the essal is often

found partly or entirely excluded by polypi. Those of course must be removed before there is any hope of curse. When of sufficient size I select them with the Jarvis stars, cutting the policie as close to the canal as possible, and alterward treat it by applications of a strong solution of nursie of silver (32 — 31). When granulations are abundant and very active in the deep canal I have not found anything to serve me bester than filling the canals for a few minutes, night and morning, with pure already. By its strong affinity for water this liquid soon substition of their vitality, and they give no further trouble. The method is not painful enough to be a scrious objection in my experience.

In all cases of etronic supportainte disease of the ear the patient most from the first be impressed with the importance of regular and persistent treatment. If you can we him only at long and uncertain intervals the prognosis is very unfavorable. Even after they are apparently cared they should report ormotemily for examinative. I whrise once a mouth for six months and after that every two months for a year. I also keep a record of early patients and notify them if they do not appear at the appointed time. I have seen a patient who, by careful mainhing, has been entirely carset of a chronic discharge from both ears, and in whem you would now notice no impairment of bearing during ordinary conversation. Yet both drame were perforabed, and have twice reopened after the old perforations were apparently healed. If the case had been lost eight of too early she would have finally been shat out of ecosity and a wide sphere of amin'mus by intuitrums of bouring.

It was my original intention to say something an the differential diagnosis of discusses of the modific and internal car, of timitus seriots, and of the removal of fereign bodies from the ear, but I have already exceeded the time I intended to occupy. As general practitioners we may say we have no experience in aural discuss, and prefer to turn them over to the specialist. But the means of experience are at hand. We do not refuse cases of prestitionin or typical fever on the ground of lack of experience, but we study the cases and treat them according to the best light we can obtain. If we look for them we shall find a secret of cases of ear difficulty to every one of pretments, and if we do not get the experience at is not far want of clinical material. There is probably not an active general practitioner in Connectical who has not in his circle of patients enough eye and ear troubles for a good clinic once a

mock. But you will ask, where does the specialist come in? Do the best we can there will be left ample work for him, and if he he a specialist in the true sense of the term, s. s., one whom experamo las especially fitted him for skillfully dealing with difficult cases, he will be cheerfully and intelligently supported by the genreal practitioners from whom he hopes to secure his clientele. He murcover will not be obliged to turn the conversation when patients inquire if it would have been better if they had come sarlier, or " what does he think of the treatment his family physician has been giving him '? There is no conflict between the general practitioner and the speciality; each has his legitimate sphere, and where the duty of one saids the other just begins. As Dr. Thomson neatly jetts it, "The many of the hody renders the coneral practitioner modul to the specialist, while the complexity of the hody renders the specialist often an indispensable associate. to the general practitioner."

In seconding the motion for reference of Dr. Abrams' paper, Dr. Carmalt begged to call attention to its great value from the standpoint of the general practitioner. It was his unforsumate expenence to be obliged very frequently to say to patients, that their irremediable deafness was due to neglect of some sort or another of threat or ness affection; and when the reply is, as it is in a countless number of cases, that " my family physician told me that I would grow out of it," or "that it wouldn't amount to anything," -he is obliged to think, even if he does not say it, that -your family physician neglected his duty in not warning you of your dangers." It is true that the family physician may be honest in his spinion, he may think he has seen several such cases recover, bit the great majority of these very cases have simply passed out of his observation, for the patient, after waiting many years for his "growth" to come, and finding himself getting worse Instead of better, turns, when too late, to the aurist, expecting him to accomplish the impossible, a c. turn back the hards of Time : put the patient back ten or fifteen or twenty years in his life, in order to get at the proper time to treat the discuss.

Dr. Carman did not think be could add any suggestions of value to the paper, —it was very clear and thorough, the indications for treatment were plans, and the methods advised were sufficiently railly carried out. It was the duty of the physician to insist upon the accessity of treatment, warning the patient of the great danger to bearing if neglected. A certain number would still decline treatment or account of the trimble, or of the slight immediate or evident improvement, but there are also people who believe that they can risk the jumping off of moving railroad trains, or that they can fool with guins which they "thought were unloaded," but it is not from the class that the real approbrium to the profession comes, is from those who are laifed to a false security, in the assurance that nething will come of it.

Dr. St. John said that he entirely agreed with what had been said as to the desirability of having our diseases treated by the general practitioner. Cases were repeatedly referred to him of the class mencioned by Dr. Carmalt, but he believed that they would be less frequent in time to come. He called attention to the necessiry of following up these cases, and not discontinuing treatment until the coordina has been entirely overcome, and the parts restored as nearly as possible to a normal condition. With regard to the details of treatment, it was evident that Dr. Abrams was an advocate of what is known so the o'dry method," a method which nectacity was no administration one in many cases. Nevertheless, he found it to fail exterly in many, and had some to the combinion that the cases to which it was superially applicable were those with a large opening in the membrana transmit through which the powder could readily pass and come into direct contact with the inflamed membrane. In these cases, it was his practice to wipe out the tympanic cavity, or, if the case required it, to syringe it out with the middle car syrings, and then after writing it dry to apply the powder (usually berace acid) packing it into the cavity firmly. But in cases where the opening through the membrana tympant was small be much preferred the use of satringent drops, having them instilled warm while the patient was lying down and allowing then to remain in the ear several minutes. It was necessary, therefore to see the opening in the dram-head before accorning which method of treatment was most likely to be effective.

He also called attention to the fact that the idea so prevalent in the recommity, that a "running one was not of much account," was not accepted by the insurance companies, who look at it in a teneness way, guided by statistical tables —for most companies look with suspiciou upon a rack in which there is a history of chronic storchose, knowing as they do that many cases of mentaguis, or other brain disease, are traceable to the angal trouble.

ESSAY.

CLIMACTERIC GLYCOSURIA.

By Grosse R. Smerman, M.D., Harroux,

Mrs. W., agod 49, consulted me in 1872 on account of pruritus of the valve. Examination showed the parts to be very red, with occasional whitish patches looking not unlike a followlar to millitie. Vaginal examination revealed the absence of uterine disease, and that there was no lescorrison to speak of. The comments had coased some months perviously and her general bealth (never the racet robust) was better than femmerly. Various lotions and stationate were used to relieve the intense stelling, but with only slight and temporary effect. At last the urine was examined and found to be largely succharine with a specific gravity of 1.016. The quantity wooded was not much in excess of normal, being only two to two and a half quarts daily. The skin was but slightly dry, and there was very little thirst though the tongue had a scenewhat glazed and red appearance. Careful size was enjoined and the nemi regimen for diabetes strictly established. Medicinally the machinated carbonate of iron was administered in somple doses throg times a day, and unisequently the treatment altered and varied, until almost everything after augmented for the disease was given a true, but apparently without effect. The amount of sugar and not diminish the lowest specific gravity, of which I find any record, being 1.425 and the local unensures and prombs remaining at times en intense that it was only rendered enjumble by frequent bothing with borax water and keeping the parts well covered with conscious. One thing excited my surprise, vis. that there was so slight senactation and no marked failure of strength. Had it not been for the troublesome uching the perions would have called horself well. At the time I attributed her con-

tinuance of appetite and strength to the iron she look, and quite plained myself on keeping her in such good condition. The sequel will show how expreet this assumption was. For over two years this case was under my observation, remaining about the same; she then moved to quite a distance from me and I saw but lattle of her mits the spring of 1875, when she sent for me to set a broken arm. I was quite expensed at that visit to find that although laying energeded all medical treatment and resumed for ordinary diet she was looking well and her old symptoms greatly relieved. Examination of the prine showed the entire absence of augur with a specific gravity of 1,026. The cules was found healed, and in a perfectly natural condition and the printing wholly gone,- a condition of things which she attributed to leaving off the medione. The fracture of the huneros, although a compound one, did well, and she recovered with a strong and useful arm. Occasionally I have heard from her since, and there has been no return of the symptonis of dishooss

In February, 1874, Mrs. A., aged 47, consulted me for pruntus vulvas, stating that it had existed for several months. She said that her health was good in all other respects except that sho suffered a little from thirst and dryness of the threat, and had to pass water unite frequently. Upon examination the arine was found to contain a considerable amount of sugar, though the quantity in twenty four hours was not very large. Menstruction was regular and there was no lencorrhon, nor any evidence of uterine disease, hence I expressed the opinion that she had diabetes. and the pruntes was simply the result of the excitation from saveharine arine. Letions of bittorate of soda and landarem were advised locally, and the patient put on a netricted diet, with a rather gloomy prognosis as to altimate recovery. The lotion relieved the local distress, but the sugar remained quite abundant for some years in spite of all treatment. The characteric was passed about four worre after her first treatment was begun, and, although the restricted dist had been abandoned for a long while in consequence of its not appearing to benefit her so far as the excretion of sugar was concerned, yet, after the menupause, she began to mend, and in the course of twelve or fifteen months was well of both the prarities and the diabetic disease. I ascortained that she was living a year, or two since, and that there had been no return of her trouids.

While I was acting as home physician at the New Haven Honpital in 1863. I remember a case quite similar to the one just narrated, upon which diet had but elight industrie and there was little or no loss of flesh and strength, prortons of the gentials being the main symptom complained of. I now this patient a few years afterwards, and learned that shortly following the mesonance the trouble subsided of to own accord, apparently, without any attention being paid to dist or medication. These three cases were brought to my recollection, by being called some months since to see Mrs. II, aged fifty-two, the had a good appetite, and was in fair condition as to strength. She had always been a very strong, vigorous woman, until some three or four years ago, when she began to suffer from pruritus of the rules, accompanied with toofrequent micrarities, the urine at times passing quite involuntarily. She stated that she had consulted a number of physicians, and taken a good deal of melicine, but without relief. Her bladder had been examined by the sound and no calculus found. Her tirise half frequently been analyzed, and she told that it was allright, and she not suffering from any bladder disease, and for a long time her complaint had been called chronic sexum. Upon making an inspection of the parts the valva was found swotlen arel red, enclosed and blooding in places, and at the lower part of the yagina and incide the labia was a considerable deposit of a whitish material quite soft and smooth under the fingers. No uterms disease was found to exist, nor was there any lencorebon, except a little discharge the result of extension of the external inflaronation up the vagura for a very short distance

Minroscopic commination of the whittak names found as shown mentioned, proven them to be whelly composed of fungus growth consisting of branching rods, terminated by cound issels filled with spherical cells, quite identical with the years or sugar fungus as we see it in diabetic urine. Analysis of the urine gave evidence of quite an amount-of sugar with a module gravity of 1.923. There was a little museus, a few tood and pus corposeles, but no altument. The quantity of urine in twenty-four hours was hard to determine owing to the incontinence, but was estimated as about two quarts. The patient stated that she had not mentionated for the past seven mosths, and for the year or two proceding the last period the menus were very irregular. Her impression was that for the past lew months she had best less discomfort than pro-

visually. Letters of between of soda and instrument per her a good deal of order from the neiting but not complete immunity,—a solution of bypossiphete of soda, hi to our gave greater out for than any thing obs. Diet and medication did not appear to influence the exerction of argar, led opins internally enabled her to sleep and this added to her comfort. At the present time (note a little over four mouths since that seen by me), she is in a very comfortable condition as regards the pruring, in fact it has almost wholly disappeared, the rules and mous being healed and natural in one and appearance. The segar has deadly beauted in quantity, being now only a trace—assemble gravity of urine, Lo25. There is no incertainties, and shout three pints are possed in twenty four hours. She has taken no medicine since I have attended has, beyond a little opium to make her sleep, and even that but bregalistly.

The particular features of these mass that interest us at the present time are glycosims appearing in women at to near the climateric period, accompanied by but our symptom calculated to attract attention, viz: pruring vulvas of a chronic and obtinute form, the disease continuing for several years without detrainent to the general health; and subsiding spontaneously, apparently aniefficenced by treatment.

Very little is to be found in medical literature on this subject. Buildby, speaking of eczenic, says, "printing [volva] depending upon glyconiria must never be forgotten and when there has homelong continued iteling about the genital region the arms should always be examined for sugar and other changes, such as oxidizing lithumia, etc."

Dulning says, "In abstitute cases sugar may be suspected. Dials too millitus is a not uncommon cases." Jenks says prurities "may be caused by changes in the normal condition of the units, especially dialsoles. Thomas writes, "I have so often found dialsoles accompanied by these symptoms [i. e. pruritus yadendi] that I always examine the units." Barnes goes a step further and alludes to the memoranes as a time whom it may excurs—he says. In some cases the unitation depends open staletos. In many of the most observation them monothone is no very abstora inflammation. Some of these have been described under the head to elementeric discuss." Without says. "I have seen it [prurities] in young children, more frequently as puberty or the coordinal of the

extenseries." Since may practice " is perhaps more frequently observed at the climateric period when the menses are about to coust. Dr. West alludes to a case in which a young lady enferred soverny from prarities which turned out to be size to stabetes. Raif mentices having "noticed that women at the shange often pass considerable-quantities of prince containing engar. Newbaser and Vogel do. not allode to this period of life as showing any special tendency to maketer, nor does Tyron in his recent article in "Papper's System of Medicine", mention it. Boberts says: "In the female heat and tichlig about the valve is a common and distressing symptom (fm d'abetes], and further on he writes. "when sugar is present in quar-By sufficient to interest the practitioner it is detectable with cerhanty by direct testing, and conveniely, when direct testing rossels. the promotion of sugar, it is constrainly a grace particlepion upo, and net a matter of more physiological contestty," thus showing that he had not recognized my class of cases in which appriaments recovery was to be expected, though he recognizes three groups of "milder tries of diabetes."

1st. When the urino is persistently sucharrine, density 1,030 to 1,042, diarses; absent or very moderate, no excessive thirst nor appetite, moderate conservation of strength and flesh, and stationary condition.

"2d. Transactic cases of comporary or intermetest glycomeric.

"3d. Those advanced in years or of a feeble hatch. Evidently alimiting to those cases where the liver rather than the nervens system in the organ permarily at fault. A writer in the Gynecological astock for bester, 1885, or a considerable article on the subject of finiteless, states that he limbs in 114 cases among women. 20 appearing sed-sequent to the reseation of membrantion, and concludes that the measurable life affords a cartain immunity for women with regard to this affection, but he does not speak of the climanteric period as particularly liable to its development.

So far, to my knowledge, the only amount of any similar cases to those I have just surprised, is found in a short paper by Lawson Tair, published in the Presidence for June 1886. He speaks of having had a master of cases, in his experience among women, was the elimateric, and it was the resolution of his assume of them that sursed me to make the microscopic estimation of the whitish masses found in the vagins of my last patient. In my-

real of his cases the more funges was found. He says that his colorrentions lead clearly to the establishment of the fact, that there seems to be a special form of diabetes in somen at the memorial pened which runs a certain definite course, extending over some years and having a rabural termination in recovery. It does not seen to be curable by drugs," but he adds - all the cases have given me the impression that the termination has been a natural one." He recommends began sulphur oistment and letions of hyposulphits of soda and eniphuret of petassium as local applications, but has found carbolic acid and backlands of moreover of no avail. Some of his cases did well with subdiments and locally. The constitutional treatment he limits to opium given in one gram doses, three times a day, with three to five grains additional at hedtime. In closing his paper he says, "soughly speaking the conclusions I have arrived at concerning this affection are: that in the great majority of eases of ecsons of the valva, at the climateric period, the disease is due to the presence of sugar in the uring. I have not yet come across a case, in which having examined for segar, I have not found it. The disease seems to begin at or near the arrest of the menstrual function, and to extend over a period of several years, then terminating, in all probability, by nature's own process. The sufferings of the patient are very much diminished and probably the duration of the disease is shortened by the liberal administration of onlym while the local trouble is best mitigated by outments containing such substances as will arrest the process of formestative change in sugar. So far, the hest substance that I have found for the purpose, is the old fishinned hoper imphur outmost."

The views expensed to derintelly by Tatt, would seem to be confirmed by the cases cited above, via., that there is a peculiar form of diabetes, or glycosums, occasionally appearing at the climacteric period in women, having a natural termination in recovery after a period of a few years. As Tait does not mention any symptom of his cases except the presence of engar in the arms and its sequel, pruntus, it is, perhaps, hardly fair to criticise his diagnosis, but it would seem that a distinction should be made between glycosum and diabetes. The first is a symptom, the latter a discusse We never next with diabetes without glycosums, but may been glycosums which is not diabetes. In diabetes, we expect to find

breides the processe of sugar, a marked increase in the quantity of mine secreted. This was not the case in my cases. There was no thirst to apeak of, an deyness of the skip, me emeciation. There was no general printer of the body; no gangerne, dyspepsia, nor paralysis. Very rare indeed must be the case of dialetesia which a compound fraction of the humorus, causing two large, lacerated warmle of the integument, would heal promptly and without any unfavorable symptoms, and yet such was the cone as related, Then, too, in dislates it is common to find dies producing some effect, temperarily at least, on the excretion of ragar, has in the cure mentioned in such result was attained, and more than all ties the natural course of duabetes is to a fatal termination, while these cases all show a directly opposite tendency. Hence it would seem more correct to diseard the name diabetes, and consider the glycosurja as a physiological rosult of the peculiar condition of the system incident to that period of female life. When we recollect the peculiarly sensitive condition of the female nervous system. and the great nervous irretability existing at the time of the menoparate in many women, it is easy to see, in the light of our present knowledge, a possible cause here for the appearance of argar in the time at this period of life. Long ago we learned that irritation of the ensemptor center on the Boor of the fourth ventricle would produce engar in the arine, and now we know that it is not nexuseary for this irritation to be central, it may be ganglionic or even peripheral, any agency in fact, operating to paralyze the vano-motor. nerves of the lever, may be followed by glycosuria. Perhan-"paralysis" is get the correct word to use in this correction, since Relitard comercia that the phonomena of glycomin are irritative rather than paralytic, but to this as it may, we know that hyperetris of the liver is the result by which the sugar is thrown into the system and eliminated by the kidneys. Pavy has advanced a chemical theory to explain the action of hypersonia in producing glycometa. He considers that in healthy digestion the carbohydrates (starch and sugar) are converted not into glucose, but into maltose, which is absorbed and assistanced and converted into giveogen. For the proper production of maltoss and its assimilation, a good renous blood, producing a maltose-forming ferment, in necessary. When hyperamin of the chylopostic vicera exists the blood Buckes the liver too little do-oxygenated and a glucose forming ferment is produced. The glucose not being assimilable posses off into the circulation and in excepted by the kidneys. Assuming the cortectness of this chemical theory, it seems quite possible that the circulatory changes incident to the circulatory period is seemen, tmy, in some cases be an altered condition of the versus blood landing to hinder complete de-oxygenation, thus asking to form the glucose rather than the malties ferment, and resulting in glycoveria.

The subject is an interesting one and worthy of study, and it is to be hoped and confidently expected that the light of future reworth will more clearly define the conditions that operate to pronace these symptoms.

ESSAY.

THE BELATIONS BETWEEN SCROFULA AND TUBERCLE

By J. B. KRNT, M.D., PUTNAM.

Since the surficet days of medicine rague ideas and coefficting views appear to have been bestowed upon this disease from time to time, until they have at last formed for it a kind of herelitary property, that has slowly accomplated and been handed down to the present ago. "It must be confessed that the pathology of scredula is still very ill-defined; its proper position in the pathological scale is disputed and uncertain, and im-relation to other morbid states is variously expressed, and so divided are opinious as to its nature, that unless a procise definition be given, the term "strofula" becomes a mere word, having a meaning only for the individual who nees it." To what varied conditions of health and to what different individuals does the term "a strumous child." apply? How fittle do some physicians mean by it, and how much is implied by its use by others. And when we come to that patient described as "slightly strumous" or alluded to as possess ing "a touch of scrofnia," what shall we understand by it? No one would think of alluding to a "alightly cancernta posson," Censer either exists or it does not. It happens to be a distinct disease, and the term "slightly cancerous" would therefore beridiculous.

This lack of scientific clearness in the pathology of scrofula appears to me to be, to a great extent, due to two cases. First, The difficulty of isolating errofulous disease from the manifestations of mere ill health, more fruity of constitution. Second. The persistent attempt to find out some characteristic automical element for every disease they deal with, and not to remain

satisfied until they have found such specific element. The Aria difficulty is purely clinical, the second is pathological regard to the cimical difficulty it must be remembered that there is still a wide area in medicine occupied by a class of unhealthy. persons, where weeked mate is indefinitely expressed by saxing that they are delicate, facil as of feeble conditation. As knowledge advances, however, this is more and more imized. As our acquaintance with disease mercanes, first one portion soil then another of this common ground is also deed, now by one affection, now by another. Some studgest once classed as simple delicate, are now perhaps known to be the subjects of hesolitary syphilis, or of some heroditary conditions, that have now become better known. . . And so long as there exists a class, whose deviations from the normal state can be expressed in no clearer terms than that they are delicate, or of feeble constitution, to long must moderal knowledge be considered incomplete." Before hereditary syphics was understood, all its manifestations were classed as acrotulous; rickets was-considered a strumous disease. Lingol mentions feners and tropus as scrollakous discorders. Carmichael discovered that scroltin and district were allied, while Hamilton observes, "I never knew a scirrhus or a cancer but, in a screenlous entitled."

The second carpe for the unstable position of screens, depends upon an ancient impression that every cases, or statlesis, must have some specific anatomical feature associated with it. The outcome of this impression has brought into the field the subject of intervalous, and since tabercle was first described it has been indeed together with seconds.

Scrafula at one time was considered as a tobercular process, through at another time described as a scrothious process. The term "tobercie" has experienced a error of clumpus. It has been appeal has to one appearance and then to another, until it must be corned that the interest of to-day is a vasily different affair as compared to the interest of the time of Lacrance. The associations of scrothia, therefore, with this rague pathological element, can in some manner account for the uncertain positive the discuss has occupied from time to case, and for the somewhat indefinite outlines a still petalon.

Immorab as sendals to an idealy bound up with the subject of pulsyculous, the first point to be combleted in discussing the pulsiblegy of the former discuss, in the nature of subsects and its

relations to the serofulous process. It is obvious that no definition of scrotula can be attempted until this relationship is clearly set forth. The term "tutercle" was originally applied to a certain nalod-eye appearance,-to lattle distinct speaks or spets of diseased tions, that were commonous as nothics or taheroles. When first used the term "tubercle" had no more clinical significance than has the term "nodular." So close is this connection that it is almost impossible to separate certain shatomical appearsaces from certain elitical conditions, and no matter to what structural charge the word "tehercle" is applied, there still larks behind it a suggestion of a distinct clinical state, known as takercular. A better postriction of the word was arrived at when it was set forth that some of those "restules, more gray and clear, while others were yellow and opaque. Thus arese a division of "tuberde" into the gray and reflow rarieties. The relies, or socalled crude tubercles, were far the next part rascoss,- decayed masses; and they were non electrated from the taborates class where it was shown that caseation was by no rooms limited to what was known as the inherentar process. With regard to the gray variety, it was found that such nedules, when found in the lung. were often made up solely of little names of alwedar epithelium. the results of a catarrit. Still finer distinctions therefor had to be hid down as characteristic of tubercle. The term was then restricted to such gray, semi-transporent bodies as were not merely masses of catarries expedation, and that, while retaining the stre of a most seed, were lard and time. These taborcies it was found in time became opaque in the center, and then wholly passers, and had a tradency to fine together and tirm larger mastes. The term military tuderele was applied to these, and in the minase known as miliary taborents they were continued to be met with in perfection. In time, however, certain those changes were soled. which were regarded as intercular, but which were not associated with the appearance of these distinct gray names. "In the place of such masses certain microscopic podules alone were detected and were found to possess a simple structure, and as it was observed that cortain of the gree miliary tubercles, voible to the naked upe, were simply made up of a collection of these microstopic nodicina, the latter were distinguished by the torm submilliary tuburdes." It must be owned that for a long once the microscoper appearances of tubercle were very indefinite, and it was not

used this five restriction of the word was accepted, that anything like uniformity was adopted. These little microscopic modules were found to be of economic securitation, and equable of undergoing the final degenerative process without having fest found thouselves into the larger masses known as unitary intereies. It is to these microscopic nedules only, the term tubercle is, in su strictest sense, now applied. Thus it will be seen that the mustorical ground on which tabercle rests has been from time to time out down, and that the large basis it originally possessed has been reduced to a very minute point. This entimitary mass, or ultimate tutercie, has been described by many observers, and has received many names; but although the terms used differ, and although some of the descriptions differ from the nest, yet there is in much general accord that nathologists of the present day seem to be at least agreed as to what subscrip looks like, even if they differ as to what it is

Highley of Talent. This simple infinitiary tubercle his been described under many names, or for instance: Appointme or elsmentary tubercie" by Koster, as "tubercular follows" by Charcot, as "reticular tabercle" by K. Wagnet. All these terms may be regarded as exponymum. A tubercie is composed of a mass having a fairly rounded outline, and made up prescipally of looks. "These cells are so arranged as to term three zones. The central part is occupied by one or more gant cells, around this is a gone of many so-called epithelial cells, and beyond this is a third zone of simple cells, leucocytes." Hamilton says: "All these cell. elements are supported by a fine reticulum, which is generally rencentrically arranged at the periphery, and towards the center is observed to be continuous with the processes that community come off from the grant relic". The surrounding tissue is non-vascular. Such is a truical inferrile. The giant rell, although not specific of taberds, is usually present. As to the structural enigin of tabercle 2 will be easily understood that great diversity of opinion exists. Some held that it is a connective tissue growth, others, that it is essentially a lymphoid structure. Some observers, suring them Cornill and Ransjee, rofer its origin to the yessels of the part, and state that a congulum forms in the blood capillary. Others regard the giant cell as a protoplasmic mass, and consider that it indicates a return of the tissue to a more embryonic state. Among other views may be need the that applies only to the

long and is to the effect that these gunt colls are forced by the fusion of the spithelial cells of the lung alwest. These although last a low of the theories that have been obvanced, are perhaps the most representative.

Such being suberelo, the first operation to be asked is this, Does this tubercle present any specific amaterical sloment? To this we answer, It does not. Lebert, some years ago, endeavoyed to establish the specific character of cortain cells in tubecule, but his conclusions were found to be erroneous. Schappell, again in more recent times, endeavored to maintain the specific character. of the giant cell, and claimed that the structure was peculiar to tabercle, and even diagnostic of it. This theory has also been guite overthrows, and it is now known that guart cells are to be found under the most varied circumstances and conditions not buterenlar. Thus they have been found in chronically inflamed connective tissue, in theses and in crosions of the as uteri and inmany other conditions. Yet, while the giant cell carnot be regarded as specific of tubercle, still, ri must be owned, that they are not commonly found massociated with that product. Says Hamilton "The anatomical individuality therefore, of tuberele, depends upon no essential element, but must rest upon the general conformation of the man, the grouping of the parts, the relation it holds to the tissues around, and allows all to its history, its tendencies, its peculiar progress." Now what is the relation between scrohils and taborcle? What morning shall we smach to the terms scrofulous and suberculous? For the present then let the terms taberculosis and taberculous be considered as applying to such diseases as acute miliary tuberculosis, taborcular peritonitis. tabercular meningitis, and the term scrofula or scrofulous to those dupones commonly known by that name; as for example, glands. lar enlargements, certain chronic bone and point affections, cold abscessor, certain sicera and emptions of the skin and mucrays membranes. In tobercle, as just described, met with in strofulogs affections? To this question as affirmative answer must most certainly be given. In scrotatous tymphatic glands the most perfeet and most typical tuberclo is to be nict with. In the synovial membrane, and in the boos in cases of so-called strumens joint diseases, perfect integrals has been discovered. Tubercle a also to be found in scredulens alone, in lapus, in certain affections of the masons membrane and in other parts.

If this Is the case there would appear to be no difficulty in estalcishing the fact that scredule is what is termed a totalestlar process. But this is not so simple as it would sorm. In the first place these intended are not used with in all scredulius affections. In the skin emptions in some of the more common affections of the moreus mentione, and in many typically seminious glands, no talesteles are to be not with. Neither has the presence of inhouses been observed to all discusse of bones and joints in the serofulous. Thus some pullobyons would limit the term carrofulogs" to those affections only this presont so tubercle, and merews for the you the come a taken about " It is chiefly with regard to the lymphatic glands that this distains of disease has been urged. But it must be remembered that there are grades and degrees in the tubercular process, just as there are varieties and degrees of inflammatory actor. In some cases the subercular action does not proceed so far as the formation of tabercle, gust as all inflammutions do not always proceed to the formation of pos. At any point in the subercle-producing process the action may and and casesion set in. Many scrobbons glands caseate without devolcomig any tubercle, but in the process that precedes each rassation one recognizes a state that is preliminary to the formation of the nottile. It may be termed a pre-tubercular state. Tubercle is the most finabed structural change of a certain process, and such a period may never be resched in a vast number of strumous diseases. Now does it not seem unreasonable to esalte a marked dirinon between these two grades of giand affection, the gland that above tabercie, and the gland that just falls abort of that product? They are both essentially inherentar, and terms should not be applied to their morbid consistons that would indicate anything more than difference in degree. But those who maintain the distinction between smeltle and intermissis designate these glands that show perfect interest; interestions, and those that present only the minuture structure scrolulous. Comil care this me of terms would not be objectionable had it only un enaberted have, and did not a very regorous chairal meeting measures mediwith three two adjectives. He also have down clear chaired size tractions between the scrofulous and the tuborcular gland.

The torus referred to used us a double sense. It is applied to so material condition, — to any disease presenting perfect subsrcio, and it is also applied to certain clinical states. Unfortunately

these two conditions do not quite cremeles, and the presence of inherely does not of measure imply that gone state of health generated with the word tale-realous. Herstolers subercle has here associated with all the grave lung affections. This is much to be regrested. In a little patch of layer on the face perfect taberele may be found. Survey this putient is not so affected as to be called unberculous in the usual clinical sense. Is in likely, to die of some acute and sudden tubercular doese? Is he not. on the contrary, as likely to attain old age as as the majority of other persons? "Porfect intencio is not with in irreptatic glands, but such glands, after a time, may eliminate the discuss, and a cure result, followed by in his consequences. Tubercle may be Sound, also, in other diseases quite remote from any clinical associaation with interestons. Koster has described infrary interele in outconvelitta, in chronic pericarditia, in the primary syphilitic sore, in eleptrantines of the labor, and other conditions. To apply the term inherentons to such cases would be reticuleus. This use of the ferm proceeds, as we have before stated, to a great degree from the general attempt to associate dialbeits, or disease with some specific anatomical element. The logic is like this: inhercles are found in some miliary intercalous, and other faind dresses, and these diseases are called interrulous, therefore other disease that presents tuberely must also be tuberrulous. M. Ferrand wellobserves, "reberels does not constitute a disease any more than description." It is says by "the exchause milication of my one milady, and the outcome of no one special state of defective health." Although our recognizes the fact that tubescle appears in scrotula, per one as positively leath to term scrotule a tuberculitte disease. Dr. Cranctier says, "find in according on immistance or integran release is store and mile and that the after or ampliedly developed toberale does not cover in the dispose, but on the contrary, is the main attribute of talerrahms sucknowly so-mited." He repands errofula, therefore, as a midden less perfect form of tubercalous. He owns the perfect identity of the two affections, and musts that they differ only in degree, is ago, in instinity. Hence z is said that the immuture intercle of Emulier corresponds to the tuberole already described as the elementary or primitive inbarde; while the wink or stature inheric is represented as the gras granulation of Lacance, well known as the simple military tubercle, and indicates a fairly complete development of this process. It is certainly true that this mature, adult granulation is very rarely, if ever, met with in truly acrofulous affections. In acrofula the intermilar process smile in caseous fegeneration before the foundation of such a mass is reached. Many other views as to the relation between acrofula and tuberculosis depend upon the results of experimental inscription.

Some pathologists. Rindflough among others, regard tuberculous as an infective disease, a disease not so much due to beneditary diathesis as an acquired malady, like-syphila or glanders. Relying upon the well known inoculation experiments, they arge that a true distincts can not be transmitted by incentation and that at takenculoso may arise from inoculation, 9 is therefore not a disthesia whereas the products of scrofula not being moralable, that malany may be canked with the disthesis. As to the relation between the two they consider them as soil to seed. Scrobin is the soil telercle the most, and that it to especially of not exclusively upon the neil of secretals that the expecture reduced care took roof and density. M. Berala. has esponed these years, and his continuous as recently published. may be considered as representative of a large class of theories. The experimental inscription of inherectar and errofulous products have been very elaborately conducted, the maternal being injected. isto the pleasal or peritoneal cavities, or introduced under the skin. The result was that in most cases the minude operated upon deteloped a disease considered as akin to acute utiliary inherenlosis in man. It was argued from these experiments that tubercules a was an infective disease, and that this feature distinguished it from screfula. But the result of certale investigations, such exthese by Fox, showed that when this tubercular matter was introduced under the skin, it set up a kind of local screfula, a supparative process associated with enlarged and concern glards. This at once showed that the relation between scrofula and unbercalesis was very close and only a difference in degree rather than in kind. The only way out of the matter was to call the local disease takerculous. But it was found that scrobulous matters, if used in these experiments, produced general tuberculosis, as readily as did tuberenlar matter. Indeed the matter from a caseous gland became the most active. More recent experiments now allow that matter taken from the langous grantlations of white awelling joints, from sendulous ostitis, so called, and periostitis, all profuce general tuberculosis when incculated. Calinheim, whose experiments are

most elaborate, search "that all the recognized telescular and scredulous processes, however they may differ anatomically, are tolescular, inseanch as the products of all of them are equally across by inequiation." So far then, the identity of the two affections would appear to be confirmed by those experiments, and if this betwee, the two morbid conditions can differ only in degree, as has been before maintained. These experiments then show, first, "that unbercular matter when introduced into the bodies of animals can produce at first a local discuss not distinguishable from scredule;" second, "that acrofulous matter when used as a vehicle for morphation, can produce general inherentless; third, "that tabercular matter semetimes acts more vigorously by inomiation than does arothiom matter. The following conclusions may then be understood to in the relations between scredule and inherent

First. The manifestations of arrottle are community associated with bibercle, or if no fully turned tubercle he not with a condition of towar exists that is recognised as houng preliminary to tubercle. Anatomically, therefore, scrafula may be regarded as a tuberculous or a tubercle-forming process.

Second. The form of interview net with in so-called acrofulous diseases is smally of an elementary and often of an immature character; whereas, in diseases called intervalous, a more perfect from of tubercle is seet with in the form of a gray granulation or adult tubercle."

Pitref. Scrafula therefore indicates a milder form or stage of tuberculous, and the two processes are stuply superated from one another by degree.

Now what shall we say as to treatment? As is well known, remedies many have been prescribed in all ages, and with that degree of success which is far from being satisfactory. To my mind, the first and most important step in the treatment of this class of disease is the removal of your patient to a proper climate. I mean by this, to a climate moderately cool, quite dry, and alightly variable, with plenty of similate, which will admit of the patient spending most of his time out of doors. Such a climate we find in Allon, S. C., in the high rolling country smid the pine belts of Georgia, in Southern California, in New Mexico, and other places I need not mention in our own country, or in Nice, Mexicos, San Benn, etc., on the continue.

To such a change as this may be attributed doubtless, more curse of scredulous or tuberculous dimases than from all other agencies combined.

Do not understand me that I should disregard medication; on the contrary, cod liver oil, the hypophosphotes, the indides, etc., etc., all should accupy a high place among the therapeutics of consumption, to say nothing of the more modern and popular plan of treatment by inhabition. The subalation of oxygen gas, and the various medicated apray and vapor inhabitions, so popular among specialists of the present day. Then comes the paramatic cabinet. From reports of cases made by those who are operating it, we have every remen to believe that good work is being done in this direction, and that it will prove, are long to be a very valuable addition to the physician's armamentarium. The day is passed when consumption may be considered meurable, as is well known from the records of our dead bosses, and dissecting-rooms.

Other methods of treatment are claiming the attention of the prodesson in a more marked degree than ever before. For instance the "aliministration of gaseous successar," or "bergeons treatment," may we not hope that those second investigations may give us sementing more tangible and more reliable than we yet possess.

ESSAY.

NEW REMEDIES.

By THOMAS H. BUSSELL, M.D., NEW HAVES.

[Read before the meeting of the New Haven County Association.]

During the last few years several new therapeutic agents have been brought to notice which bell fair to obtain a prominent and permanent place in our materia service. The south for a perfect antipyretic — a drug whose sole action is the lowering of fabrile temperature — has brought to light antipyrine thalline kairine, and antifebrine

Authorized from constar and is a synthetical alkaloid, prepared from chinoline by Dr. Knorr of Erlanges. It is of a very light yellow, almost white color, soluble in five parts of cold and three parts of warm water. It is soluble in alcohol and other, and its solutions are neutral and stable. It has a bitter taste fiess so, however, than spinine), and is less disagreeable than knimps. His taste can be disguised by addition of cherry wine. Fulchine first drow attention to its value as an antipyretic. His statements as to its great value as an antipyretic which will effectually reduce high februle temperature, have been completely substantiated by many late observers. So many observers agreeing in the favor. able repdict us to its power, that it will probably bereafter occurs a very prominent place in our sentene sention. Many countries in more valuable and certain than quinties. The discovery of hatherapeutic value is so recent that no montion of it is made in any dispensitory, and I believe that "Bingers' Therapeuties" flast edition) is the only work of the kind to mention it. Its literature is only to be found in recent medical journals.

When antipyrine is administered, the temperature commences to fall in from our to two hours, and continues falling for a period of from four to six hours, when the maximum fall is reached. The

pupils are uniformly dilated. It is freely eliminated by the kidneys, appearing in the urms three bours after lagouion. Elimination is at its beight at four and continues for twenty-four or thirtysix hours. Vomiting but mostly follows its use (some say, nover), and in those cases where it has occurred, was probably prolimposed to by other causes. It has been given hypodermically in aqueous solution with very good results. Dr. Westbrooks of New York. reports its remarkable efficiency in two cases of simetrolos with very high temperature. In one of these the systal temperature was 103" A drucken of 50 per cent solution of antipyrine was injected hypodormically. In forty-five minutes the rectal temperature was form to 1974", and the injection was then repeated. Half an hour later the rectal temperature was only 99. The case recovered. In a second ministr case the metal temperature was HP. A hypoternic injection of 40 grains of subsysting reduced the temperature or thirty tornibes down to 1817. This case also recovered. The injection produced but little smilation. Surviy such results are associating and could hardly have been obtained by any other agent. In a lew cases, also some or alongha resulted from the hypothermic injection, but it cames less irritation than quining when used in this way. When patients manor take it by stomet, oring to detimic remiting, it is quite succeeded when given in solution by injection per perturn.

Prof. Engle in Prague used it in this way in an especially dangerous case of replaced forer with great success, the temperatime falling promptly and coming cousing. Collabor which make the administration of karries and dulling designous, soldon or nover follows autipyrase. The sweating stage, which is so marked after kairine, is not undemantly marked after antipyrine. After prolonged use of sutspyrise, exasthenousus symptons are observed. The eruptions differ widely in shape and form some resembling mostles, others scarlating or unticaria harmorrhagina. These eruptions affect the transle of the body - the face and upper part of the nock remaining free. This righ may disappear in spite of the continued use of the drug. It may cause some cardiac depression, and care may be needed in giving it when pulse is very weak. There is no proof that it really shorten any disease. and is to be regarded only as a safe and reliable reducer of temperature. Only one case > reconfed where it may have caused death. It acts as an intipyrotic by diminishing the production of

heat, for the full of temperature commences before the patient begins to sevent. It is also certain that it mercases heat dissipation, and is therefore an ideal antipycetic. The full in pulse is not always equal to the reduction of temperature. It increases arterial tension. It does not interfere with appetite or dispetion. It is slightly discretic and disphoretic. In quickens respiration, and increases flow of saliva. As the temperature falls, the tongue almost always becomes clean and most. It appears to be repercally valuable in typhoid fover, pneumonia, and tuberculosis. It is not an antiportedic. It is in cases of high febrie temperature (above 192°) that its value is most conspicuous. It may be given in three bourly doses each of 15 to 30 grains, and then no more to be given until temperature rises, or smaller doses of 15 grains several times daily. It may be given in powders or in equeum or alcoholic mintion.

The conclusion to be arrived at, is, that untipyrine is a prompt, toliable, and powerful antipyretic, very valuable in this treatment of acute febrile disorders.

The doubt and sorpticism which untryvine—like every new drug — had to encounter, has been experceded by a considerable degree of confidence in its great remedial value.

Thelline was brought to notice by Dr. V. Jakoch. It reduces temperature certainly and effectually, doing so mainly by increasing the himpothes of text. The increase of discipution is much greater than preduction. Its effect upon lexit production is variable even in the name dose, and is less than antipyrine. The maximum fall of temperature occurs in one to four hours.

The duration of the antipyretic effect of thallian is only half that of antipyrine. Thallian is just as likely to cause emptions, and rights are more likely to follow it than antipyrine. It is hable to produce collapse. It is best given in the form of sulphale of which the does is 2 grains. It has been but little used as yet, and thus far ranks below antipyrine as an antipyrotic.

Knows is prepared from chiroline. Its use has been practically given up, for it is more likely than antipyrine to cause collapse. It may be given by mouth in does of 7 to 15 grains. Being alightly incolable, a small quantity of hydrochloric acid is to be added to the solution (1 dwg to 10 grains). It wearly oxidizable and its solutions soon turn to a dark cherry red color. It lowers arternal pressure, and the pulse becomes quicker and assumes a fliform character and respiration becomes irregular and the secretion of salita increases. It lowers temperature by decreasing heat production and increasing heat dissipation.

Astifering, or Acctantilide, is produced by the action of heat on accesse of uniline. It is a white crystalline odorless powder, and hums the tengue slightly. It is very soluble in alcohol, but requires 160 parts of cold water for its solution. It is neutral; not very implement to the taste, and is very rheap, costing only about 15 cents per ounce.

It is a pretty certain antipyretic in closes of 4 to 8 grains, or even 15 grains, having, grain for grain, four times the power of antipyrine.

As an antipyrene us effects commence in one hour, reaching its maximum in four hours and sading in about ten hours.

It reddens the skin and causes perspiration. In large sions it causes evancels.

It leaves the pulse rate and increases its tension. Does not disturb the brain or stomach nor impair appetire. Its antipersent action is chiefly due to uniform increase of heat disepation. It has been power them setting in diminishing heat production. In about, it appears to be wietby of further trial as an antipyrous. From the testimony thus far given it appears to be less safe and reliable than antipyrone and that antipyrous is to be proformed. It has not received as fair a trial as antipyrite, and in strongly endocsed by some who have used it.

If would appear that Pseudolysis is a therapeutic agent which is being too much overlooked. It was introduced into themposities by Cervello in 1981. It does not seem as yet to have attracted much attention, but there is strong testimony as to its value as a hypositic. It is still on trial.

Above the temperature of \$10 Fahrenheit it is a colorless figured. It is soluble in eight parts of water, and has a disagree, able othernal odor. The great objection is its disagreeable new, but this can be avoided by giving it per rectum.

It slows pulse and respiration and diminishes arroral nearon is thus resembles chloral and chloreform. It depresses the four less than chloral, and it may be used, therefore, in cases in which cardiac weakness would contra indicate chloral.

Its effects are usually rapid. After a dose of 50 minims quest, dreamless, and refreshing sleep follows in from five to fifty minutes and lasts from two to six hours, and there is no confiners of blass when the patient is roused. It may came transient excitament and acceleration of pulse before sleep is predicted. No but after effects, such as benduchs, names, or depression are likely to follow, and it may be continued for menths. The effect of parallelepide is more transcent than chloral, but it is a safet agent. It is not likely to came names nor vomiting. In toxic does it weakers and destroys searchility, reflex action, and refundary power.

It is excreted by the breath, which may retain the odor for one or two days. It acts also as a discretic of very moderate power,

It appears to be superior to chloral in nervous insermia (not complicated by pain), especially in that resulting from the abuse of alcohol. It is less irritating than chloral, and better forms by the storach. It is, however, even less analyses than chical. When, therefore, insorants is the to pera, paraldshyde is inferior to chloral.

Paralidehydo is especially useful in mental abenation and has been especially successful in manural cases. In epilepsy and hysteria it has done well.

It is efficient in the form of enems, and is more efficient as a hypnone when so used than is chloral. The enems may be made up as follows:

It should not be used hypodermically, for it is said that whou thus used it is pretty certain to cause pain and often abscross-

The usual hypnotic dose is from 3 is to 3 ij. Even 3 ijs has often been given without had rough;

Water is a scribble menstrum.

The following is a brief resum- of the principal points concerning hydrocitierate of consist, as gathered from a careful search of medical journals for the past two years.

It produces a facultiest assesthesia when applied to the skin or trucous membrane, and its action is extended more deeply by hypothermic injection. Its assesshed action is purely local and very limited, extending only as for as the drug comes in contact with the tissues. A hypothermic imjection of 3 as of five per cent. solution produces amonthesia commencing in three and lasting townsy-fire minutes. Complete over an area of those continuetres diameter and partial for distance of three centimetres further. The countries area becomes isse wascular. Applied in solution to the unbroken skin it has but slight effect—only causing a sensation of warmth, slight local amonthesis.

The nerves of special some cease to convey their peculiar impressions. The covaried interest membrane of the nose ceases to appreciate odoes and the torgue loses its take, this effect listing from twenty minutes to an hour. It divides the popil as much as stropine. Administered by the storach in doses of \$ of a grain, three times daily, if removes sensition of latigue, analies one to perform more manual later, and to solve on has food. Given in this way its effects are prompt, tiles those of an alreducin stimulant, but are not followed by the dependent which follows a stimulant.

In man it presinces no effect upon the intellect, except a stage of excitement with exhibitation, or raisely depression, but it is probable that the toxic dose for man is very large. As much as 20 grains have been given by stomach without textic results. It kills by raining consistent or respiration. It continues the arterioles, especially in small doses, and stimulates the larger unit thus noises arterial tension. Larger doses show the pulse and course a full of temperature. It lessess coupleation, salive, gastric juice, and tense.

It is eliminated by the kelineys and acts in doses of one grain three daily as a discretic of moderate power. Its stimetic action persons for several days after the last dose. Small doses increase and large doses diminish intestinal periodless. It is cloidly useful in ophthaletic practice as a local arounthess. A twenty per cent solution applied to the largux allows of examinations and operations without difficulty or pain.

The pain of treatitie is greatly relevant by frequent painting with four or six per cent solution. A twenty per cent solution appoint to the usual muscous membrane greatly relieves bay fever or arute conyes.

A few drops of two per cent, solution injected into the neeths releves the painful exections and smarting of an acute governous. It should be retained in the uretha four or five minutes and be repeated every three or four hours. An injection of four or six per cent, solution enables us to pass sounds, catheters, and other instruments without pain. The interpe itching of acrotal occome, or pruritus and, or pruritus vulves, yield at once to a six or eight per cent, solution.

Painful Issues of the vertum can be relieved by rectal suppositories containing 3 to 4 grains of cocurs, and of the vagina by 19 to 15 grains introduced by suppositive into the vagina.

The severe pains of scaled or burns can be relieved by painting with six or eight per cent, solution. Various forms of noundgia can be relieved by hypodermic injections of one-third or one-half grain in the course of the nerve.

In the treatment of energing for alcohol and the morphine habit comine has been found very neefal.

It promotes appetite and digestion, and produces a feeling of calm and contentment. It reflexes fatigue, and is second only to alcohol in its food replacing power. A hypodormic ospection of a few drops of eight per cent, relation greatly relieves the pain accompanying fractures. A five per cent solution painted over the cervix mitigates the pains of labor.

As an application to sore nipples a two per cent. solution, frequently applied, not only relieves pain, but speedily heals the fasoure; but a stronger solution might be perferable.

As a local assectatic in circumciolos I have found it completely successful in four per cent, solution.

In operations for tetula in ano it has proved consevhat medul; but not completely satisfactory when the fietula is deep. In the remaral of ashaccous syste and other small turnors it is very natufactory when used hypothermically in four per cent, solution.

By the method of Dr. Corning, both he and Dr. T. R. Variek (New York Medical Assessed, February 20, and January 2, 1886,) have excessfully and most satisfactorily performed thigh amputations with no other assessment than cocarse. For the amputation of fingers and toos at is very estimated by.

I have repeatedly noticed that when patients have come to me suffering from crushed fingers or hands and faint from pain or homorrhage, that the bypodernic injection as a local anaethetic for the operation not only relieves the pain from the injury, but by its action upon the limit and arterioles at once reserves faintness. and agreeably stimulates and strengthens the patient for the operation to follow. It thus serves a double purpose

Hydrochlorate of cocains when kept in solution is liable to undergo sharge, and a fungus develops in it which renders the solution too irritating fee use. This can be prevented by adding three-fourths of agrain of salicylic acid to each outco, as still better, according to Dr. Squibb, by adding beric acid in succhalf of one per cent, solution. The former is irritating and the latter is set.

The dose by stomach is given at from \$ to 3 grains.

Its effects are not cumulative.

Special caution should be exceeded in using cocaine on young children.

Comins, although a recent addition to our meteric medies, has already proved itself a most valuable thempeutic agent.

I would unge all to read J. L. Comings article on Comme in the New York Medical Journal for January 2, 1886. It describes his original method for producing with weak solutions prolonged and extensive local assessment sufficient for major surgical operations.

I can only refer briefly to Livelies, a new hyposite which may prove a valuable addition to our eastern metric. It is soluble in water, and may be given in doors of 15 to 20 grains. It produces physiological sleep with little if sky distributes of the accretions As it does not produce local irritation, it is well adapted for hypodernic inc. Botterbiller reports having used it 248 times hypodernically. He found 24 grains a small dose. In a few cases to alected 20 to 60 grains. Sleep was produced in 15 to 30 minutes. No implement effects followed, except counting, in one case. It slows the pulse, increases arterial beasing, and lower temperature. Favorable reports show that it merris further trial.

I would call the attention of the accurp to the importance of the collective investigation of some of the above new remedies, It could be conducted in a manner similar to that published in the Proceedings for 1885, pages 59-77.

ESSAY.

IS SMOKING INJURIOUS?

By Dr. A. E. Adams, M.D., DAMPERS, CONNECTED

[Read before the meeting of the Fairfield County Association.]

Nicotine is the active principle of tobacco and the opponents of smoking claim the smoker is potented by it. But some authors [American Cyclopedia] claim there is no nicotine is tobacco smoke. They say the principal parts of tobacco smoke are compased of exygen, nitrages, carbonic acid, and marsh gas. I shall try and prove that this is true, and if any, there is only a small quantity of nicotine in the smoke, and when smoking is indulged in timelerately by the healthy adult is not only harmless, but, in fact, is a decided benefit, especially to those who are obliged to do a great deal of brain work.

Richel found in his patient with gastric fistula that when the salivary secretion was stimulated it caused a proportionally strong flow of gastric juice. This repeated summation of the gastric nurcous membrane, causing hypersents and secretion of the ucid gastric juice, would exentually cause disturbance of digestion. There is no doubt but that when carried to excess snoking causes dyspepsia. I believe that this is the primary cause of all the constitutional troubles caused by excessive uncking. I do not believe that snoking will cause disease except in this way, and anything else which disorders digestion may give rise to the same train of symptoms which is credited to snoking.

Opposents of smoking will fell you it is the mootine. If I could prove that there was no misotine, or only a very little, in tobacca smoke, then they might say that carbonic acid and march gas were enough to conform at.

I presume you will all admit that Havana cigars are the strongest as well as the most piercant Eavored. I use the term strongue: here to denote the amount of cerebral effect, and not the effect on the gastro-extestinal tract which you might get from smaking a very claupergar. It is claimed as a fact that Havana tobacco contains less than two per cent. of nicetime, while our own denosite tobacce contains between seven and eight per cent, and yet we consider our best transfe of domestic eights miller than Havana cigars. Now, if that were the case, how would you account for the results of emoking on the nicetime theory?

It seems probable there are three factors which contribute to the effects of smoking. The first of absorbing carbonic acid, rearch gas, etc., meteod of air with a proper proportion of oxygen, and, secondly, a small amount of necessias, which finds its way into the system either in the smoke or from direct contact of the tobacco and mostle, or both. Thirdly, be hyperamia of stormels. You know that the end of the eight which is lighted, if allowed to burn for a moment without drawing or blowing on it will give off a blood smoke; this is earbonic oxide gas uniting with the oxygen of the me and forming corbanic acid. If the analysis drawn into the mouth and is expelled you do not see the blaish tint. Thus you see the air is deprived of a part of its oxygen and carbonic. seid is formed while it is yet in the mouth and bronchial tubes. and it is supposed that a part of the earbonic said is absorbed and the system is gradually loaded with earbonic acid, instead of unleading or extening it as normally. I do not believe that gicotine is ever absorbed in sufficient quantity to account for the exaggregated symptoms claimed to be caused by smoking. As I have said before. I think it probable that it is the combination of three factors.

Sir B, Brodin's experiments have proven that stoctine affects through the nervous system: When the sympathetic system is stimulated the vessels contract and the blood passes through them more slowly, and is therefore converted into tenous blood more fully during its passage. This stannisation of the nerve reaches a point where it is stimulated no longer, and then commences a tor-por or intellicency of power which may result in partial or compacts paralysis of action in it. This result I presume may be partially due to the accommission of carbonic axid in the blood.

When the influence of this nervo is diminished the effect is the everyon of what we have found from etimplation. The course dilute and the blood passes through these with much greater

rapidity and the blood is found of a brighter color. It is the beginning of this first stage that this antigect begins to feel the languor and religions. If the smeking is continued it is followed by the implement sensation of confinence and vertiges, which is due to hypersense of the brain, coined by insufficiency or partial paralysis of the vary-motor apparatus. If the smoking is still paralysis of the vary-motor apparatus. If the smoking is still paralysis of the vary-motor apparatus. If the smoking is still paralysis of the vary-motor apparatus, the pulse weak, respiration labored, the surface becomes cold and clammy, and is often bathed with a cold sweat. Nature acts as the physican for this miserable being, and be immediately seeks the pure cept-door air, where he can exchange his load of carbonic acid for oxygen.

It is very common to have pulpitation of the heart, the result of congretion of the central gaugita, and pulpitation of the heart is frequently met with in habitual smokers. Yet fourthclow tells no that recotine does not affect the heart. Sin B. Brodie found that if the head of no animal was removed previous to administering section, and artificial respiration kept up, the heart remained unaffected. If sectine caused pulpitation, etc., one would suppose chewing the weed would cause it more than smoking.

It is claimed by some that the smoker becomes habitanted to the nicotine, and therefore it does not affect him after using it a little. Now one may show tobacco for years and the first cigar he trees to smoke will probably namente him, and if it was due to the nicotine in the smoke I cannot explain it. Will any one doubt the ability to swallow twice as much nicotine without any apparent effect as was ever claimed to be contained in the few paffs of a cigar or pipe which will make a man ark the first time he tries it? The objections to smoking on account of the carbonic seed and metric gas can be disposed of easily. With picuty of pure aircontaining a sufficient amount of oxygen, carbonic and is readened almost or quite harmless. With regard to the marsh gas I would quote from Fown's "Chemistry." It says: "It is not possesses, and may be respired to a great extent without apparent injury."

It seems to me probable that the seeding and tranquillizing offect of unching was due to the flux of blood to the stomach, and also to inhaling curtonic seid, much gas, natrogen, etc., contained in the smoke. This would also account for the pridiness and delirium which is experienced when one smokes to excess. Thus is usually especially well marked when one smokes his first eight. and, not being accustomed to it, probably inhalos more smoke than an old and experienced smoker would.

Attempts have been mude to prove that smiking lessons mental rigor. This can easily be proven a mistake as far as permanent effects are concerned. We have only to look at some of our greatest statesmen who are invoterate emokers. I find it reported that Mark Twain said he needed three hundred cigars a month, and wrote with greater ease under their inspiring industry. Mr. Allibore, the famous compiler, said "smoking kept a man uniet. for an hour after dinner, and was a great thing for digestion." Robert Buchanan thought that "tobacco was invaluable," Best said: "The use of it in feeble doses affects to many persons very great satisfaction, and is altogether harmless and moffensive." Wilkie Collins said that "tobacco was the best friend his irritable nerves possessed," and he added, that "when he read teamed attacks on it it greatly increased the reliab of his eight. Mr. Darwin "found that two little paper eigerettes of Turkish tobacco rested him when he was tired." Professor Dowden said "a smoke soothed away small worries and restored tittle irritating incidents to their true proportions." James Payne, who had been an ardueas literary worker for thirty years, said "he smoked the whole time while sugaged to composition." Dr. W. H. Russell said "tohacco comforted and sustained" him M. Tain, the witty Frenchman, declared that he found emple meful between to two ideas: when he had the first, but had not arrived at the second. The famous Br. Isaac flarrow culled his supe his purpharameon, or ture for everything.

Beside these many medical men of repute are devoted disciples of mode, and I must hold the spinion that it is a benefit for these men to smoke, as it is a sociative and quiets restlessores due to mental disturbance which comes from averwork, and gives a feeling of separe which, if once experienced, is very upt to be tried again; and this, in my opinion, is the only danger from smoking. Overwork and moderate smoking is good, but overwork and inmoderate smoking is very bad, because here you increase the hyperanna in the already congested brain.

It is true amatrosis sometimes occurs in habitual emokors, but it is very rarely attended by actual atrophy of the optic nerve, and is generally very amenable to treatment. It certainly must be very rare, for Dr. Rossa says he "has never seen a case of ambiyopia positively traceable to tobacco."

Attacks of indigestion may produce temporary amaurosis; it also occurs in people who never smoke, and it is the exception and act the rule to find it in habitral smokers. Parerira says. "In habitral smokers the practice when employed moderately provokes thest, increases the secretion of saliva and total mucous, and produces a remarkably soothing and transpillining effect on the mind, which has made it so much admired and adopted by all classes of society and all nations, civilized and barbarous."

After me in quote again from the same anthor. He says: "I am not acquainted with any well-ascernained ill effects resulting from the liabitual practice of smoking." A similar observation is made by Dr. Christians. Smoking is frequently condensed on account of its supposed tendency to cause throat and long disease. Uigarottes are especially condensed. Boworth says: "Cubass are perhaps among our most investence smokers, and that in its worst form, in the use of eigarettes, and yet they suffer somewhat must from throat catarris." Smoking was first introduced into England by Sir Walter Raleigh in 1368. The "American Cyclopedia" tells us that "although eigars are of very assistat origin in the West Indies, they were not generally known in Europe until the beginning of the nizeteenth century."

The average number of pounds of tobacco consumed varies in different countries the Spaniards use a very light tobacco and use it in the form of eigensties more than other countries. They average a little more than one pound per capita. Italy, Great Britain, Prussia, and Hungary average between one and two pounds; France, Denmark, Norway, and Austria between two and three pounds; Germany and the United States between three and four pounds; Holland between four and five pounds, and Belgium ave and a half pounds.

As far back as 1875 the tobacco crop in the United States alone was estimated at \$29,400,000 after it was packed. Now, if you add to these figures the cost of labor in preparing it for use by the consumer and the profits made by the dealers, you can see what an enormous amount of money is expended for this lexury.

If the use of tobacco was really such a dessiful habit, what would the result be in the twentieth century if we continue to

consume it and the habit grows on us as it has in the last righty-six years? When we look book and remember that tobacco was used but very little previous to the nineteenth century, we cannot help but see that there is a enething peculiarly attractive about its use that has more it so popular in every nation. I am sure it is not necessary to even hint that it is the good and not the evil effects which have brought about this popularity.

Opportunities for investigation are not training in any country, and appearant to its use are to be found in all countries, and yet the moderate use of tobacco in the form of a cigar, or smoked in a pipe, stands before as to-day as a farmfuse baxery. I do not believe there is any more harm in smoking a cigar or pipe after eating than there is in drinking ten and coffee. Any lexury carried to excess carries with it a penalty. For my own part I consider that smoking acts as a solution and equalizer of the temper, assists digestion, and is a modium of sociability among men which should not be discarded.

ESSAY.

THE ALCOHOLIC QUESTION MEDICALLY CON-SIDERED.

By T. D. Choursus, M.D., Haurrenn, Coxx.

The famous Dr. Tally evote lifty years ago, that "Alechel was both the most dangerers and most valuable of remedies." The scentific studies of half a century have not only confirmed this view, but indicated the value and danger from the use of alcohol-beyond the wildest theories of its most ardent advocates and birder opposests. The problibitionists and alcoholic Nikilians have never realized its real danger and injury to the race. Neither has the most enthusiantle disciple of the Todd and Bennet school ever tractived its place to real value in thempestics. One reason for this is, that alcoholic compounds are the most uncertain, unknown, and empirically used of all substances in medicines. Compounds of whisky, branchy, gin, wine, and rum are never the same, but are forms of alcohol constantly changing, developing others whose artist on the organism of the body in health or disease it arceedingly variable and uncertain.

As an illustration, alcohols vary in their origin, mode of preparation, condition, and surroundings, and have different effects in the organism, sobject to a great variety of conditions. The alcohol of almkess made in a similar way may differ widely, both obsentically and physiologically. The alcohols of one year may vary in their effects the next year. Clemical changes have taken place, and new compounds and eithers have been formed. The ordinary alcohols of commerce, which are ordered with care for har of the solutionation with foreign substances, may contain the most uncetain others and poissoner forms of alcohol that our only be accetained by skillful amlysis. The effects will vary widely, and be ascribed to other causes.

Some faint conception may be formed of these companiels of alcohol, from the experiments of Beaumeta and Audge. They gave two years of study and experiments to this subject, and succeeded in separating and experimenting with six different alcoholic classes. Some of these classes of alcohols likely to be found in any of the lapters on the market, were motor paralyzants of the muscular system. Others had a poculiar irritative action on the train; others acted on the spinal centers, some were distinctly succeities, destroying sensation, acting on the boart specifically, and

Dr. Richardson, in his experiments to find a sate and reliable assorbatic from alcoholic ethnic has cultimed a sant field of now combinations of alcoholic whose effects on degrated other antiminare simply marvelous. Edison observations, chronic part other agents which have revolutionsed the art and science of coefficient are all forms of alcohol. All studies a this direction indicate still more conductal compounds just to be discovered, of which these may be identify only simples. The old alcoholic of commerce whose because and qualities are priced, contain these complex unknown others, which away future discovery.

The present methods of using almostic drucks or medicuses, with no other facts, except the name and the supproved per cour. of alcohol, and no kmorteige of the kind of alcohol offer than ne ago, are consultingly empirical and one contine. The only safeway to which any force of alcohol can be used as a medione to its fresh new wine or grain spirits. Never give any of the popular ferms of alsoholic drinks; they are uncertain and unreliable. The possibilities of finding in alcohol remedies which will suspend. after, or charge diseased action in many ways, exceed the wildest dreams of therapoutists, and are more certain every year. While all scientific research indicates the most scartling discoveries of new pametho in this field of alcoholic compounds, it also points out unknown perils and dangers in the present indiscriminate use of spirits. The scientific investigator is startled at the effects of induted alcohole on the forcer animals. These very alcohole rempose many of the common dranks of commorce, and their effects. on the human organism are the name, only medified and concealed.

It is evident that our inability to obtain a full history of these cases precents such a recognition.

Many cases of serious and faull-diseases will be inseed in the future to these complex alcohols. It is also evident that alcohols are far more responsible in catoing doeses than it supposed. The offsence and teaching of the stedical profession on this great popular drink question is most imporatively demanded. To oudone of use alcohol indiscriminately as a beverage or medicine, or to designed it dogmentally, refrets on the scientific intelligence and pulgment of the physician. The physician should be the teacher in every community and not the follower of theories. meralists, and temperates reformers, or advocates of spirits. As a scientific man, the physician should know the facts and the progress of research in this direction and be himself an investigator. He can presure reclated alcohols and cost them in localth or discuss. on the lower animals or on man. He can trace the degenerations from slocked which follow an observed order of events and point out the line of march, both untilipating and preventing it.

The "alcohol question" is a modest one that is destined to occupy a wide field of practical science. To-day it is in the first stage of agitation and suspiricism. The reckless sale of unknown alcohols, and the thousands of poor diseased metraces, point transstakably to our ignorance of the nature and character of alcohol. The confusing variety of remodies urged from the pulpet, restring, press, and legislative hall, all indicate the same ignorance. All this is but the thunder and noise that precedes the still small voice of science and truth, which the physician must interpret.

All the facts known of strong can be placed an a single printed page, yet a thomas a volumes are written, and text-decks are constantly coming from the press, to teach the nature of strong in the common schools as a means for checking the motivity of noday. Alcohol is without doubt the loss known of any therapeutic agent in common use. The administration of different forms of shooled, as whosky, rum, wine, and gin, for some supposed permannetion on the body, is without any scientific reason or basis of facts. The temperatures of the most accurate observers using one form of alcohol, such in whisky, are contradicted by the next observer who may use the same whisky in the same cases. This constants is never larracerized and never can be, because both the samp of the alcohol and its action on the body are unknown,

Medically and scientifically the whole subject is a "polar region" of mystery. There is no other way of discovering the facts, except by accurate study, and slow, laborious murches into this region, where the observations of yesterday must be continually compared and corrected by the rerelations of to-day. It is too early for physicians to teach authoritatively other than that alreads is a most valuable and dangerous remody. Its value is not in the compounds of commerce, but in the primitive alreads and others that are yet to be studied. Its danger is distinctly indicated in the effects of separate alreads and others on both man and animals.

The monk political, and social aspects of the atcolors question usual all turn on the investigations of physicians. The physician as an explorer most go about and map out the country, and about its people, fore and frees, and the natural was and forces which govern it; then the unissociary, elegencian law maker and reformer can come in and to metal. To-day this is reversed. The mondred, temperature reformer, and as other are trying to occupy and selfle a territory that is unexplored, whose have and militarians are unknown. The drink problem, and what to do with the instruction can mover be settled, until studied by the physician and the physician who joins the army of absonuts, less label to ranguing the subject, or his duty to the north.

Some of the conclusions which the furthest researches of scarce indicate must distinctly no-day, may be exist as follows: let-Permittye or couple alcohols, or their stitute, are agonts of most marvelous power over the organism. Ether columbates, and a few other of these combinations are examples. 2d. Researches show that these primitive alcohols are almost immunerable, and are present is all the compound drinks of commerce; also that they vary widely in their action to the organism of the body. 2d. The progress of research indicates, beyond all books that many new and wonderful combinations will be discovered whose action on the body will far exceed the other and obligatoria compounds. 1th. Each step in advance resvals the error of prescribing all forms of common drails of commerce. It also shows that only pure primitive alcohole should be used, such as fresh corn spirits, or mints of wine. Even with these the most capelal observation and discrimination are necessary, and the possibility of figure is always penerinent. Sth. Alcohol is so very uncertain, and so little known, that it should only be used with great carriers and care and under obscuretances where exact observations can be reads. 6th, by delegations from this that all degreation is a sign of imperfect knowledge and acquaintance with this subject, and offerts to reach and enough the cycle of the drink problem from the present imperfect knowledge of the subject trust fall. 1th, Lastly, the physician of all others should study this subject from a purely medical standpoint; the facts can never be accomined from any other way.

ESSAY.

NEURBOTOMY OF THE TRI-PACIAL NERVE

By M. Stones, M. D. HARTPHIN.

[Bend before the meeting of the Hartford County Association.]

Neurocomy, the expection of a norm, is constinue confounded with neurotomy — its division. A distinction should be kept in mind; the one sizes at permanent relief, the other can only promise temporary good.

The principle of exaction is to divide the nerve above the disruse, and to remove or displace such a portion of it as shall keep the divided ends at such a distance as to make reunion impossible. There is no-exception to this rule as applied to the trafacual serve; all its branches may be subjected to this operation, chiefly the supra-orbital of the ophthalmic, the infra-orbital of the superior, and the dental of the inferior maniflary.

Having had occasion of late to give this matter some attention we shall give two recent cases that we have had, in the way of illustration, describe the principal methods of operating and as we proceed make such criticisms and suggretions as have occurred to in in our studies on this subject.

We will first speak of the following rate :

In November last, six months ago, I performed nonrectomy of the superior maxillary nerve upon a man 70 years of ago, assisted by Irs. Wainweight and Knight. I shall make no attempt to recite the clinical history of this most extending over a period of some foreteen years. Let no benefit say that there was no recognicable came for the neuralgia; no benefitary much constructed beauthy, not subject to good, rheumation, applied, alcohol sa, or even makeria; no evidence of any internal organic discuss; assisting that pointed to any central came of dispurbaces, as vertigas healache, paralysis, local asserthesis, or invatal decorporate to caries, or excelosis, or invocate in the track of the nerve. All the teeth, though sound, had in turn been extragted, sometimes with relief. The pain was severe; most of the time in the left cheek control about the infra-orbital foramen — there was tenderness at this point.

During the long course of this discuss, many physicisms, at house and abroad, but been committed, and it in rafe to say that avery thing had been tried but an operation. This is was decided to have those. Death seamed preferable to the wearying and exernciating purexysms of pain

A currelinear incision was made along the lower border of the orbit; the percenters was divided and lifted from the floor of the orbit, the eye being field upward by a spatnia; the norwe, said bare in the orbital easal, was raised from its bed by a small himse bank, and a lightline was applied. This lightline gave this control of the nerve. It could be atterched as changed in its direction, and by careful dissection the nerve was separated from fiely and cellular tissue, back into the sphere-maniflary fissue.

I had constructed a knife, curved so as to fe the posterior surtace of the antrum, by which I expected to divide the zeros in the finance. I had had no opportunity to try it beforehand on the mainteer, but I found that the edge from his largeness of the curve, came as obliquely upon the curve that it could not be completely divided, contributing to this result was the intentional dullness of the knife and the tenghness of the nerve. I completed the section with sharp-pointed sciences.

Since this operation, my attention has been called to a case reported in the American Journal of the Matical Sciences (April, 1883), by Dr. F. H. Gross, where he used, with the same pice, a Anife with the blade shorter and nearly at a right-night, with success. The blade of such a knide can be pushed in under the nerve, the handle to the usual side, and terming the blade apward, it will sever the nerve upon the spheroid bode as upon a block, near the firmum estimator. In cortain cases the sutrance to the sphero-maxillary limite may be so narrow as to emburrase this part of the operation; this will come mainly from the fullness or begits of the antrum. I find upon the radiater that I can gain room by slightly breaking and depressing the posterior floor of the optit with a closel, a lever or dilating forceps pisced under the firm

wing of the spheroid bone will accomplish the same thing. In this way we indied no greater injury to the orbital floor than is done by the nutting and chiefling necessary in the sub-orbital operations.

The distance from the municiary bone through the finure to the formen remotion is short—about half an inch, but it is been where the interest centers in this operation. In this form we have the forminal branches of the internal maniflary, and, midway in this finure: branches from the superior maniflary nerve leave for the sphero pulatine or Merkel's gaugition; a little farther forward the posterior dental branches are given off, and the infra-robutal begins.

The aim in this operation is to divide the superior stavillary nerve beyond the spheno-public branches: yet this may so he necessary, inserrant as the nerves from Meckel's gaugion do not go to any distinctly neuralgic area. Gray states in his analomy that the titless from the superior maxillary ran be traced through Merkel's gaugites on their way to the pulses and the mucous surfaces. But the division should be beyond the potential branches, and us the gaugitonic and the dental branches are so close to each other it would be better to carry the division beyond both of these, to the forumes retundant.

To return to our operation. After the division of the nerve we equivaled the integrament from the face down to the infra-orbital formure. We gethered up the mesh of moves going to the clock with a book, and drugged the divided move through the formure; then pushing the nerve into the loop of a threaded medic, we carried a down into the mouth, leaving the red which had been in the sphero-maxillary finure majoraled between the already and the upper lip; this end was out off even with the innerve meanthrant. The divided ends of the nerve were new somethree inches apart, and the lower portion was looking in a direction away from the upper one. This feature of the operation was first suggested by Hodgen.*

The infra-orbital artery was divided with the nerve, but the homorrhage was alight and no ligature was mod. There was into pain following the operation. The nerve of nominion was gone. There was nonlinear of the face, lip, cyclid, and side of the note. The patient made a good recovery and has had no pain since the operation.

The special feature of this operation was the plan to reach the

nerre in the sphero maxillary desure from above the orbital plane rather than to go under it; also by the use of the ligature, the approved idea of stetching the nerve was affected, its longth, thereby being much increased and the division made higher up. But the ligature is indispensable for the facility that it gives in helding and controlling the perys.

Dr. Sands, of New York, speaks of using the gustatory nerse after dividing it upon the book. If a ligature had been applied; an exsention instead of a division could have been made by dragging the purve first in one direction and then in the other.

We believe that the method adopted in this operation is unserand as effectual and less distiguring than that of randoling the introm, which is the well-known Carnoman method, done by raining a flap upon the choice going through the front wall of the introm with a texplane close to the intra-round because a removing the lower wall of the intra-round to expose the nerve; going through the posterior wall of the untran with a gouge or trephine; isolating the nerve in the subsecontaillary fissure and dividing it at the formers rotundum. Langenbeck divides the infra-orbital nerve by running a kinds inside the orbit along the safemal wall. He cuts the nerve just as it is entering the orbit. This would be forward of Meckel's gaugino and probably of the persones denial nerve, so necessary to melade

We will must quark of the successful removal of the dental broads of the fallenor maxillary.

Last December I was committed by a women, about 10 peace of age, for neutralgia of the bower jaw. She had suffered greatly for five years and had consulted many, and arrang three common physcians, without benefit. Esting caused violent quanta, and she would go mouths almost gearned. She preferred death to har sufferings.

On the following stay, assisted, as before, by Des. Wainwright and Knight, I consided the interior distributors. An incision was timed down the front edge of the manufer musics from the upper line of the lower jew around to strange. Tuned the flap, toophinos the rames over the inferior dental terminon ligatured the stental artery, places a ligarous upon the nerve, by which it was dragged downwards and divided as high as possible with sensors. An invited was then made appears the locateful teeth, soft parts detached, and with a book the nerve was raised. I attempted to drag it out

through the mental foramen, but failed as enlisementmes happen. It then understruction over the lower edge of the pre, notway, raised the fiests, laying buse the jaw, then with a small circular saw driven by a dental engage, made two parallel outs about 3-16 of an inch apart, through the bone, for an inch in length, this narrow piece of bone was lifted with the chiral, the nerve exposed and divided. The posterior part was taken out. The autority was drawn through the mental foramen and the end carried down into the irrision in the fiests. Between three or four inclus of the nerve was removed or displaced. There was some suppuration, but they has been normalized.

There are besides several methods for dividing this nerve: in can be reached in any part of its course. Hodges drilled into the jaw behind the last malar and drew the cut serve out of the mental faramen. Should it be impossible to its this, the foramen can be courged and this greater freedom at the ext may enable it to be drawn out. I have found so the catalog entering one-half an arb arcerior to the argic and going used the lane to the place where the perce enters the deletal foramen. I have never seen this method mentioned. It can also be reached by as recision through the nurses membrane in the back part of the mentle; in this situation Whitehead's gag would grailly sents. But neither of these methods give any opportunity to stretch the nerve, and its exrison must be more limited.

The gustatory or lingual nerve is another of the large branches of the in-facial. It is deeply placed throughout its course and is discributed to the papilla and museus membrane of the tangua Periagn from being a special nerve of taste it is less subject to semiligia. But in the destructive observations of the tangua such as the caseses as affections, the pain is excessioning. We can under stand this as we use the serve naming along the slace of the mouth, beside the tengus and the sub-lingual gland, involved in the hard and degenerative structures. Fortunately, in these cases a neurotomy is generally successful. Pains and profine salivation instantly cases on the decision of the perys.

Hilton first proposed the division of this nerve. He made his invesion between the second molar and the trague. The nerve can be felt under the nations surface at this point and through an invision made can be becked up and divided at exceeted. Out

this locality is often the seat of the discree and the nerve read not be reached.

Moore in his operation goes back to the emergence of the serve from between the internal paragoid and the names of the jaw; making his inmission just under the insertion of the parago-maxillary figuress. Whitehead's gag will greatly facilitate both of those operations. The gustatory narve can be divided from without, much in the way that we have described for the interior dental. In painful affections of the torque and mouth, like camper, this nerve should be straight.

The third division as a whole can be divided near the forances orate, from without. First remote the appointing such is a class. But it measures the appointing such is a class. Then does it is one of the filters of the temporal measure and subside a part of the external plerygoid, and in a line inward from the posterior lose of the appointing arch a little more than an inch, the forance of the appoint of the forms.

This morningly accord operation will only be required when all the branches of the inferior maxillary are affected.

Dr. Herman Guleke, of New York, reports such an operation in the lifedeal Recircl. Vol. 17. He removed most has an inch of the nerve, but the pain returned after several most he. Such an exreson was but little more than a neurotomy. Nerves will re-unite at the distance of an inch or more. If the nerve had been named upon itself, a step not difficult or dangerous after what had been date, success would probably have followed. It would be done by putting a ligature upon the nerve and dividing the proximal end. The ligature should then be placed in the eye or loop of a long curved probability needle and carried downwards in the course of the nerve tract, between the placety good investor above and the placygomaxillary figures and ranges of the jaw below; or the ligature rould be caught in the toop of a needle larting its eye in the point, sentered from below inside the runner.

Neuroctomy is required for neurolgis of the supra-orbital or frontal nerve—a branch of the ophthalmic division of the trifacial. It can be best resemble to the following manner: Draw up the systems, and make an incision about an inch in length between it and the 100. Finding the supra-orbital notein or foramen, the nerve can be followed, running between the levator parpetous and the periodecum, to half the depth of the crist, where the supractive liver is reached. The serve at this point can be devided by the ariseness and after being drawn out from the supracellulal canal can be raught in the loop of the seedle and carried its length under the integreent of the broken).

Such are some of the more usual reservious of the tri-facial nerve. An operation always of much importance, the last resort, positivel when all other means for the relief of the economisting purceyons have failed. But an operation, if we are to judge from the general literature in this subject, hald in dislayor by the profession.

Gree, as an American suthority in all Mayory, says: "Section and excession of the affected serve have often been practiced for the cure of neuralgia, with results, however, by ne means always satisfactory. Indeed, there is reason to believe from the facts that have been published upon the subject, by various surgests, that both operations have penerally proved manacements in many cases temperary relief ensued, but in nearly all the distance of the match recurred with former violence:

Also, Thomas Bryant, of London, writes: "" in obstitute cases of semislical the division of the nerve has been performed with reconstruct encountered in the nerve has been performed with reconstruct encountered in the next an operation, however, in layor of which touch can be east. When the came of the neuralgis is peripheral it may exceed for a time, but in these cases spontaneous positions in not unusual, and when some central mixtured is the source of the pain, the operation is not tikely to be of service."

These remarks indicate arenty nearly the general continuent of the profession. This unlawerable opinion is based upon the difficulty of determining the exact leastion of the disease, upon the amount of nervous impairment, purplyis, lidewing the operation, upon the surprising reproduction of the resected nervo, and with it the resuppearance of the neuralgis. New, add to this peneral decline and statement of facts the actual difficulty in a thorough exercise of the tripesmal nervo, and we are not surprised to find, as stated by Dr. F. L. Dennis in June, 1879 in the New York Medical Januari, in a later resume of the cause of execution of the superior massilary, that only twenty-one cases could be collected from all the literature on this surgest, and half of these speculious had been

[&]quot; Beyon's Propins of Sources p. 1981.

three by American surgeons. But an analysis of those cases gives a favorable showing for neuroctoner of the tri-facial.

On the other hand neutroriousy of the spinal nervos has stille in reason or in results to commend it. But the permissibles of the tri-famal nervo upon which we depend for success in its neutratomy, are seen more strikingly, as we compare it with the spinal or mixed nervos.

The first feature that we notice is the shortness of the nerve. The spiral nerves are long, may be a yard in length; but the trifarial is only of a finger's length or a lew taches. It leaves the brain omier the largest of the cranial across, but subdividing even holore leaving the cranium it quickly reaches its terminal divisious. We can take advantage of this brevity and so make our operation as practically to melade almost the whole of my branch; for we can make the section even at the lase of the beain - no extreme high operation; and, by turning the serve upon itself, as we have mated. we carry the divided ends to the greatest possible distances from each other. We virtually perform upon the sistal extremity of the branches a complete polynourectour, if we may use the term. The perse is henceforth incapacitated, and we believe that if the terminal branch of a norve is removed that this branch is not reproduced. This is illustrated in a rough way by the destruction of the nervous pulp of a tooth, or in any race of amputation.

Again the tri-farial in a simple nerve, and, not like the spiral, made up of filaments of unlike functions. Divided into these large learning before it leaves the eranium, it goes to its destination as a seasony nerve. Its few asterior or motor films are gathered into the asterior branch of the inferior maxillary and go to the muscles of maximalion, and hardly concern accretiony.

This merve has hitle of that deleate stortaring with others as seen in those which start out from hirge pleaners to go to the extremities. This simplicity of structure and function below to decorning the branch which is the sent of the neuralgia.

Again, so a rule the neuralgm of the fifth nerve has a peripheral origin, due it may be to various exposition, and to the course of the nerve ibrough long beny channels, canals, and formning; but in the spiral systems the location of the discouse is oftener central. But seem in regard to this central location, experience does not fully confirm the statement just quoted from Bryans, that neuralgia size to a central discuss is not relieved by an operation. The con-

trai disease often requires the namesy impressions starreged by the norve to produce the neuralgae transfertations traich cease select the nerve is divisted.

To rendered, we believe as the decise of the brifacial is generally peripheral, that its section will be successful if this proximal division is made high up, and the lower and turned uside so as to make reproductive growth and remion impossible. That, on the other hand, where a so-called neurostomy has failed, it has been practically, from the timited section, only a neurotomy. That a simple division of the tri-facial is sure to result in a restoration of structure and function, and with these, protry generally, a responsion of the pathological condition.

ESSAY.

THE ADJRONDACKS: A RESORT FOR HEALTH AND RECEENTION.

By Wu S. Tone, A.M., M.D. Romaritte, Coxx.

[Read below the meeting of the Fairfield County Association]

"Out of the abundance of the heart the month speaketh" may be as true of the written as of the spokes weed. It certainly was the source of the inspiration that led me to select for an essay, -The Adironalacks as a resort for health and recreation." It is not possible for one to spend a few weeks in the wilderness of northern New York, entering into its pleasures with cost, and finding deep joy in every phase of nature and change of some, and not find impelled by pure enthusiases to select every apportunity to apeak of its wonderful possibilities for health and eyes.

Possibly nother my observations nor experience were sufficient, either to adorn a tale or point a moral, yet I am satisfied that I naw and heard enough during two short variations in the wilderness of the similarm additionalistic to convince myself that whether he health or recreation to place offers superior advantages. An another season approaches when we shall have to answer the question. — Whither shall I go? " a few worth concerning the electromoreous ground popular resert may not be assess.

In the fall of 1885, and again in 1886, it was my good betwee to spend a few works on the shore of Enquelle Latte, and as a place for recreasing I can speak without neares. It was rest in the heart of a prince of forest, the exact appears of the base, active life at home. The Raquette is the largest take in the Adirordacks and one of the most beautiful. Many call in the queen of lakes. It is 1,770 feet above the sea feed, and in consequence of this altitude, the air is pure and invigorating. One points a day was my average gain in weight, with a corresponding being of mental and physical rest and a revisal of exhausted energy. The importance of rest is becoming some and more approximation of time and vigor but as a prophylactic against disease. Physicians have a dary not only to practice but to preach,—the new goopel of relaxation. We admit the desirability of charge —we should also teach that charge of some and surroundings should be weight under circumstances as fully removed from our namil experience as possible.

An easy railroad journey to North Crock, N. Y., and thence a ride of thirty miles on comfortable backboards, bring the searcher after besith or proposition to Bino Mountain Lake, at the head of the Baquette-system. He is may at the entrance of the most magnifcest widerness region within rasy reach of our son heard villia-Little stramers convey passengers through Kagle and Utowana Lakes and Marion River to Requeste, the largest take in the words It has a could like of minory nine miles and, with the exception of one small eleating, is bounded by subrown forest. The lake a diversified by alards, points, and permontones or headlands, so that only a small portion can be seen at any one point. It is full of surprises - it is full of rest. I shall pover surget what I saw on a September day from the summit of West Mountain, an elevation of about twoles or thirteen hundred fort on the west side of the take. It was a perfect day, the temperature just at the point to make this sent of closers one of complete enjoyment. The air was clear as crystal, and as far as the eye could much mithing was to he seen but mountains lakes and forest. I counted twenty one lakes, and knew that nearly as many more were within limit of my vision, but conscaled by intervening hills. All the left's peaks, Murry, Seward, White Pace, Blue, Drx, Haystack, etc., standing like sentinels, were in eight. Frequent clouds fouting part soon ransel. shadows to more across the surface of the forest, just tinged in all. the giornous colors of naturen, and to chase one mother in ravid succession. That seems fully requid use, if nothing also entil be recalled, as a result of my two visits.

Bowing the light, crunky, buoyant Adirendack cance, accomputying a guide through lake, river, and carry the entire length of any of the numerous chains, penetrating with him the wilderness and guilting a tasks of picture lide by carejung cut over night, faling for the wary laws or gainy treat, or hunting for deer, give variety to a somewhat monotonous life. But that menotony is the beauty of the whole, for in it is rest - test for mind and body.

The days were spent in some of the ways just mentioned. One could not read, he could not write. He would want to do nother. Out of doors one wanted to be. The evenings were spent in the open camp, with the camp fire, composed of a pile of learning logs, in front, which were made to burn brighter by the addition of brush boxes, burrels, etc. There, reclining on a bed of fresh sprace and balsam boughs, we spent the evenings with energand story, while the bours passed altogether too quickly,

Our home was a so-called gamp, built of logs and representing an eather of several thousand dellars, the central picture of which is the sitting each, with a large freeplace at one and, and at the tides dutes leading to deeping-rooms. Other buildings contained kitchen, dining-room, thop, ico-house, etc. Our flict was venison from the woods, fish from the lake, beef and mutton from Saratoga, and the delicacios of all climes and seasons nicely preserved in tin. There was every comfort, with nothing to distract the attention or arother from lotus-eating except a few moments. given each forenoon to the mail with letters from home, and news a day and a half-old. If one is interested in the study of human nathrey (and who, in our profession is not?) he will and quant and enrious phases among the hunters and trappers whose lives are spend there.

This is one way to - camp out " on the Raquette. There are others much simpler, much less expensive. A simple test or a structure made of bark attached to a framework may and does furnish shelter for a great many. Others stop with the guides or bancers, while several good boarding-houses furnish ample accommodations at reasonable rates.

But time will not admit of my dwelling longer on this portion of my thems. In Petermer, 1859, Dr. A. L. Loomis rend before the Medical Society of the State of New York as article, which called attention to the Admirotisck region as a therapeutic agent. Since that time much has been written by medical and non-modical men, until public attention has been very foreible directed to the region as a health resort. As a consequence, the number of visitors is increasing year by year. They go from all parts of the eventry, even from the West. Naturally, many go who are greatly

benefited; others find no benefit and some are made wome by the atigue of the journey and a failure to adapt themselves to cleavainstances. To be enabled to advise our putients conscientiously, and with knowledge, it is important to know what discuses are likely. to be benefited, in what stages help is promised, and when the corney as contra-endicated. In his paper, Dr. Leonis gives I wenty cases of philists of which ten had recovered, six were improved, two lad received to beselft, and two had died. Dr. S. S. William, of Bloomingdale, N. Y., has published noise of nineseen cases of which twelve were cured, six improved but died after returning home, and one received no benefit. Dr. Leconds' conclusions were, that the climate is better adapted to the treatment of examinal pathies than of my other variety; that fibrous pathies does better in higher ultitudes - in Colorado, for instance - and that climate has fittle beneticial offset upon tuberentous pittinies. He also midthat a larger proportion of phthiscal patients are cared or benefated by a cold than a warm climate, and that a winter spent in the Adirophicks is more beneficial than a summer. At all events, it is conceded that a benefit secured by a summer's segourn is rendered much more so by remaining through the winter. A patient with well-pronounced plathies, going to the Adirondacks, should go with the intention of remaining, if he is henefited, a year at least, It is not a pleasant prospect to be burned there through the long winter months. I saw a young man, a patient of Loomis', who had spent three winters there and was inoking forward to a fourth. The winter before he had attempted to live south and because wome so rapidly that he was forced to return to the Adirondacks.

Hay fever, aithms, catarrial trouble of the throat and requiretory passages, functional heart disease, dyspepsia, and various neryour diseases, are benefited by a sojourn in this wilders on

If we seek for causes we have only to mention the conditions existing there: First of all may be mentioned the drames of the soil and absence of damposes in the air. When I entered the Adirontacks in 1885, it was said that it had rained every day, with two exceptions, for a month, and I have a treid impression that it rained during the last few hours of our side, as it fairly poured, and in the interno darkness it second as if the hedriffee become some feeding a stream all the way, yet on our arrival at our domination the next day there was no evidence of excessive rainfall to be seen either in the camp or on the soil without. There was to smell of mould or must that we are accustomed to opportogeo in Southern Connections during a damp spoll. In 1886, the wet season was deferred till my visit, and with two exceptions min. fell avery day, yet the soil and the superficial covering of decayed. forest growth seemed to absorb all and leave no trace above.

The possiliarities of all the Adirosulack lakes I have seen are the sharp, well-defined shores and absence of marsh and swamp. Evaporation from the lakes goes on slowly and the meisture of frequent showers seems to cause none of that damp, shilly condition of the atmosphere we so frequently experience at home.

In the second place may be mentioned the purity of the ur. The forests, almost devoid of life, are equally free from dust. The altitude, the ineven nature of the country, the percus soll, the superficial covering of damyed vegetation acting like a sponge, the absence of the decaying products of agriculture, all conspire to give a purity of air unknown to estilled regions. The forests are composed of beech, maple terch, sprace, bendeck, balsam, pine, and redar, whose branches, especially of the everywers, impregnate the air with cases, load it with balsamic ofore, and make it highly beneficial to diseased mucus mornheanss. There is no disc to irritate, no poisonous germs to bread discurbance, no malarial industries to resard recovery.

The climate is capricious, though are subject to extreme sudden variations. There is a good deal of soin in the spring and fall; heavy falls of snow in the winter, and a dry spell in the summer, when the days are liable to be hot but the nights are osel. Last fall there was but one pleasant day during my stay; it did not run all the time but was sure to rain some time during the twentyfour hours. The sun would go down clear, giving every indication of fair weather for the morney. At ten or sleven o'clock the stars would shine brightly, yet before morning it would rain profusely and blow great gens. Occasionally a snow-storm would add variety. If it rained too hard to be out, I would start the camp fire. and spend the time in the open camp. In spite of the charges not one of our party expensured the slightest symptom of a cold.

Scattered through the Adirocolocks we find many people who are undergoing a forced exile, finding a relief from phthisical symptoms by a continued residence. A return to their old home brings on the old symptoms. Others have found rolled which resmined personnent even after returning to their old surroundings.

Whom shall we shad? All who need post, and will find pleasure and next in wild wood senses,— hunting and fishing. Any of our patients who have the diseases mentioned, if not not far advanced, will find benefit in the north woods, if they have a semperament to put up with some inconveniences. I doesn it was unclose for those to go who would find no pleasure, but on the other hand, would robel at slight matters and feel the inknomenous of the life they must lead. Such persons would better remain within the limits of envilousness.

Dr. Leoma' observations are confined mostly to the region of St. Begin and Paul Smith's. But there one finds that fashion has taken possesson and the name artificial life that is characteristic of the larger watering places. That region is also somewhat cleared and more thickly settled. (In the Baquette there are no large botch. Life there is free and easy, as far as possible removed from the excitaments of city life. The comparative difficulty of reaching it, hinds, in a degree, the viscous to those who are of the same mind, and find a common sympathy in a love of nature. I would recommend the Baquette by all means to those who love radius, pure and simple.

Shall patients camp cut? Not unless they have a special forminess for it, and are willing to sestimate some inconveniences. A majority of patients will do better with the comforts of a room, well-cooked and regular meals. They can spend their days out of doors. To those who can undoubtedly, sleeping in tents is decidedly beneficial, but if a proves expleasant, the annoyance will more than counteract the benefit.

In cases of pithies it is ignoreseasy to say the scorer the patients go the better, but all know how difficult it is to send patients away till it is too late. So many wait till death is inveitable that it is a common saying that communities only leave home to die. As a rule, it would be much better for such to remain where they can have the comform of home and the loving, ministering cure of friends. But I would not resust, beyond simple advice, the departure of those determined to make one more effect to live. We know too many examples of recovery of apparently hopeless cases to do contrary to this. The new hope that oprings up with determined action often arems to turn the scale and give the discued one an impotes towards health which ultimately results in recovery.

On the bittle steamer that took me to Raquette Lake last Septembur was a middle aged gentleman, apparently in the best of health. He was making his annual visit to the spot where eleven years before he was borne, contrary to the advice of physicisms and entreaties of friends. He had been procounced fatally sick, and was an object of gity to all who saw him, as they thought how soon he arest be carried back a corpse. He was taken to the log hus of a panie, who for a month cared for him, almost as helpless as an infant. He would take him in his arms and earry him to the boat and give him a row on the lake such day. He had cough, bectic fever, and night ewests. At the end of a month, he begain to gain and in five months he left the woods with restored bealth. I visited the spot later and it seemed to me an ideal place for an invalid. A little sandy plateau, about forty or fifty feet above the lake on the east shore: in front and upon it was a small grove of Norway pines, and upon the north and east a thick forest out off the heavy winds. There this man had struggled with a fatal disease, and with the beip of the life-giving conditions of forest, lake, and air, but come off conqueror. Can we wonder that he visits that spot overs your?

In 1885, I men a woman who had been taken into the woods on a bed. She was emaciated had right events, and was thought to have but a few days to line. She soon began to gain, events stopped, expecteration nearly ceased, and cough was much ameliorsted. When I now her she had gained twenty-five pounds in weight in four months, was able to spend all of her days out of doors and thought herself nearly well. I could not learn her subsequent history.

Dr. Loomis is the only surviving member of his family, all but one of whom died of phthisis. He attributes his exemption to his variations spent in the Adirocolacks. Dr. E. L. Trudeau is a nota-He example of what continued life in the Adironfacks will do. Symptoms of phthisis became argent in 1872. He spent the winter South without benefit, went to the woods in May on a bed, returned to New York in three mouths, taving gained in weight twelvepounds, and with only a slight morning cough remaining, was soon taken worse and spent the winter in St. Past without improvement. In 1873, he again went to St. Regis, but did not improve us in the previous year. In September he was in a wrotched condition. Dr. Leonis advised him to remain all winter. He began slowly to improve, and since that time has made it his home. He has gained twenty-two possels in weight and persents the appearance of a person in good health. In his lange, Dr. Leonis mys, still remain cridences of his discuss. He has made several attempts to remain in New York, but his old symptoms return in ten days.

If time permitted, I could rite series of cases which have been reported, showing the beneficial results of a sojourn in the Adironducks, but I have taken enough of your time. Personally, I hope that you who have not already done so will take a variation and go and judge for yourselves, and soud your patients, suitable cases, there also.

ESSAY.

ON EROSIONS OF THE CERYIX UTERL; THEIR PA-THOLOGY AND TREATMENT.

By E. W. Chemiyo, M.D., or Boston,*

[Head by invitation before the Connecticut State Medical Somety, May 25, 1881.]

Of all morted conditions of the interns none is more frequently seet in practice than what is spoken of as emison, or illoration of the os; and I take it for granted that most physicians are only too familiar with the gross appearances of such cases.

It may be well, however, briefly to recall the classifications of Tyler Smith in England, and of Mayor in Germany, as showing how much can be learned by ocular importion through the specuhm, and post-mortem, without the assistance of careful microscopical work.

Tyler Smith's decision is as follows:

- a. Simple red ring.
- 3. Krosion and partial exposure of the papilla leaving them have of epithelium, the secretion being mucous, not purulent.
- y. Superficus algorations with destruction of papills, which he called granular condition of on ateri.

He also described under the head of cockstomb granulation, what is now called ectoposius

Carl Marer distinguishes

- Erosions and thickening of the listing of the cervical canal, which sometimes though seldom pass on to the outer surface of the vaginal portion, although by the thickening the tips are effect a scorted, especially in women who have had children.
 - 3. Follicular executations and ulcorations of the cervical canal

^{*}The plates Disserting this paper are from alreades shorts of the Attacked Gymenbygg, kindly formided by the Cubbing.

with formation of cysts which may alcorate. With this form your the mucous polype.

 Papillary ecosions, where the papillar lying just under the opithelium are described, and are often stripped of the outer layers of their substance.

Ensert in 1874, and afterwards mainted on the importance of ectropium, or exemion of the awellow muceus membrane of the cervix, with rolling assider of the lips showing what might readily to taken for an erosion, but is not recessarily early although, particularly when there is a lacoration of the cervix, secondary alterations of the muceus membrane to occur.

Other writers have in general followed the above classifications, differing on some points, but in the main, agreeing on what seems the most natural explanation of the appearances, viz. That there active a tool of epithelium, laying have the populis, that then the latter are descroyed, farming an alor; the condition when socuring on the simulds of the vaginal portion was supposed to commonce in the follicles.

There was great difference of opinion as the nature of entropium, while the evula mabeth; were considered as retention systs of the pre-existing mucous glands.

In the photograph, Fig. 1, from "Ruge and Veit's work is seen."

Fig. 1. Δ simple crosson (Mayer).

Fig. 2. The minute amatomy of the same.

Fig. 1. A following erroson (Mayor).

Fig. 4. An extropium of the mucous membrane of the nervix (Emmet).

Fig. 5. A portion of the cervix amputated.

I will not stop to describe more minutely the gross appearances. The microscopic figures, however, are very characteristic, and explain the position taken by Roge and Veit that what are called constons, afternations, etc., are various degrees of one process, which consists containly in a new formation of glandules times, on the variace of the vaginal portion, or in the carvical canal.

The glands are formed by a redspilication, or sinking inwards, of the lowest layer of the cells of the rete malpighi, which are developed into a delicate cylindrical epithelium, which everywhere lines the glands as well as the parts between them. The latter forming

^{*} Zeromit for Generality is Cymeric, Band II, 1979. Martin's Adam. Hart & Barbon's Bank back of Gyamotoup.

partitions grow upward wails the glands grow deservant; but still the projections thus formed are everywhere covered with a continuous layer of cyander epithetism. The process gives on under the layer of the spithetism which maturally covers the carrix, outside of the certiful canal; this layer is then but, undermitted as it were but no proper evision occurs. What was formently considered as an evolute is a painti where the flat epithetisms has been replaced by glandniar formation, the monitod pupilings form is where the partitions between the glands have grown upstants (not laise of all spithetism, however).

The foliation and cyate are not usually enlargements of pre-existing ducts, which have been reclinish but are new-formed glands without ducts. In retropium there is essentially the same process going on to the certical same, and eventing the loss.

The attore described active formation of glandular those may special over the outer surface of the vaginal portion, whose low, if any, glands normally exist. It may even extent to the vagina

In congressed cases it remembles cancer as closely that the test experts cannot make a degrees without the aid of the memorope. In a comparatively large member of cases, cancers of the cervix are proceeded by this resolution of gired framasion, or, to state it otherwise, these so-called erosions when involvable not infrequently become cancerous. A pathological condition of this kind, where normal tissues are wholly supplieded by non-formal glands is at test suspicious, and considered pathologically it is no wonder that it often serves us the starting point of career.

The importance of these securcles of Ruge and Vetr, of which I have given a hasty summary, is so great, and their bearing on practical gyassology is so storious that it is very stronge that they have not with so little attention in America, although figured in the English edition of Marcon's Atlas, and so the week of Hart and Barbour. There is hardly an allusion to them in the text-books in the hands of the profession here, and until recently they were ignored by most of our leading gyassologists in their writings. The original articles being thus inaccessible and neglected. I trust it may be incorrecting to consider none preparations which I have made while studying the discordal conditions of the service.

Before considering the latter however, I will call attention to some pictures which I took from the living subject, as, although wanting in the diagrammatic more extremes of the plate of Buge and Vert. they show about what one can see in the speculum,

The first, Fig. 2, is a case of simple erosion of the cervix patter.

Mayor) in a virgin, who has for yours been a sufferer front dyamonordinal having an antestexion. It is important as showing that
these glandidar hypertrophies being encountered in virginal and
being of the same nature, as we shall presently see, with the morhol consistson occurring in incention of the cervix with actroprint, it follows that the latter condition is to be regarded not emply as a reliving assember of the lips of a featred cervix, as Kranot
describes it. but as on eversion of the lips pushed spart by a gland
star growth, which is the coemital disease.

The next picture, Fig. 3, is from the cervix of a sterile married woman with chronic endometritis. A following attention according to Mayer. Here the glandular cycle can be seen as bright spots, reflecting the light from their convex surfaces.

The next perions Fig. 4, is from a woman who had become a clotd, then had a miscorriage, with enhancedation matritis, and finally a high grade of industrian of the courts, requiring excision of the glandular mass, which is hapiness and general appearance closely resembled as implied cancer, but was not of that nature. The basis were secondari with eyes, extending on to the expiral portion, and as these was no finance, it was responsible to suppose that this now formation of glands was in my some as countered the enterior.

The next case, Fig. 5, shows a budly supraced purioseum, we're a finite of the certain on one olds. The lips as drawn down, do not show the operation which they naturally had, but its show the edge of the red thickened uncous membrane, a mass of glandular new-growths extending up into the curvical canal.

Fig. 6 shows an extreme condition where, after a drable rent in the cervix, with complete supture of the perineum, the glandular hypertrophy was so exceeds as to cause a great extrapitus, a real secreting. Suppose mass. The whole cervix was enlarged, and could easily be drawn down by torceps, as seen in the sat, so that the on stem presented externally.

There is, however, another form which the grandular hypertrophy may take. Instead of growing in the fiscae of the cervix, the glands, in condimation with connective risess, aluminat small



Fig. L



Fig. 2



Fig. II





Fig. 4.



Fig. III



F10 5

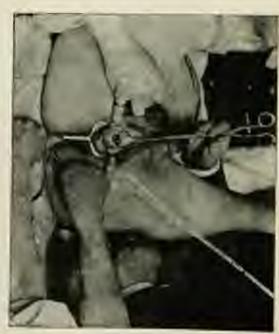


Fig. 7.





Fig. W



Fug. 3.





Fig. to



File 1L





Fig tit



Fig 18





Fig. 14.



Pig. 15



cells and their vessels may form potype or semi-detached manner, which biced easily, secrete abundantly, and thus exhaust the patient

Fig. 7 shows a thornded on rentaining two such polyps, which by continuous betroughness had nearly exanguinated the patient before she applied for relief.

In calling attention to the next figure a microphotograph, I desire to arknowledge my great obligation to De M. Greely Purker of Lowell, for his aid and instruction is the making of microphotographs.

Figs. 8, 13, and 13, some taken by the light of a common paterleum large, and, as in this manner, without expensive apparatus it is possible for physicians to record the results of their tacroscopic work. I hope that great benefit will result from a general use of this factorating branch of pathological study.

I am also mader obligations to Dr. W. W. Gannett, of Harvard University, for the families courteredly afforded use in the laboratory of that multinum whom I made the sections from which the photographs were taken.

Fig. 8 represents our of my sections as photographed by Dr. Parker with Hartmark 7. The amplification on the plate is absent 104. It shows the commit museus membrane of the vaginal portion at the edge of the carried cumit. It resembles a section of skin that is, there is a well-defined layer of the optification, a larger layer of rounder cells nearling down between the small papelle, which come up at intervals, carrying the blood ressels. Between the times of the papelle and the cells of the rete malpight you see a ningle layer of splindown (eith forming a continuous row like the fining of a glass). I would call mission particularly to this, because 0 is from this layer, in Buge and Vert discovered that the glandular formation proceeds in cases of so called crossion. I cannot belp thinking, however, that them authors overestate the case in considering all receious as of glandular origin.

The east plate, Fig. 9, is an untarged photograph of a action from a cervix which interescipably containly appeared to to ended, and yet there are no glands to to seen. Newstheless, an importion of the specimen shows that the principle is the same, for you see that the cells of the crio scalpight are in very action preliferation, and from processes which are growing decreward, white, at the same time, the papills lying between these are longer, so that the surface is nexually mixed. Henceon the paroles, rapidly entarging possesses of spithelium are places where the surface is depressed and flat, and there are no signs of papills nor any decinct layer of flat spithelium.

The contrast between the patches, where thickening has occurred as above described, and the intercening depressed that places is so great that the surface would readily be classed as eroded, and yet in no place is the epithelial covering whelly lost, although the flat epithelium has disappeared in many places.

The next plate, Fig. 19, is from a misto photograph (of 50 diameters) of the postess of profilerating epithelistic automating the long and elember populls, which here reach awarly or quite to the surface. The thickness of the epithelial layer is at least six times that of the normal layer (sole Fig. 8). Each populls is clothest with a layer of cylindrical code, more or less distinct, and, of course thus the liming of the glandular pouches is the same layer as the investment of the papullary septs. This continuous layer is preserved in all cases of a erosion," and it is precisely the breaking through of this layer of criticalical spetialism by the cells contained in the posicies which in constituting a real alrest, the implem a cancerous inyasion.

Fig. 1) is a photograph (100 s) of the depressed flat part, which shows, in the subsences portion, a great abundance of round cells spreakled through the strong, no pupilles and a total loss of the layer of flat speckelium, which can be seen at one contaporting away. The layer which represents the mucros membrane is a mass of rapidly problemning cells of the reto mulgight, which take the color readily, and evidently clothe the subjectual strong, in lieu of a better uncous membrane. I see no reason why this is not a fair example of a mulpis erosion, although Bugs and Veit apparently do not admit the existence of such a condition. There is no sign of new iternation of glands, such as I will show you presently.

Possibly in these cases stemed treatment and trought about a consulton of the morted process and an attempt at bealing with hypertrophy of the connective toocae. Yet the fact remains that, in what, after death, or examination, by the naked eye, by myself, and by others well qualified to judge, were considered as speciment

of slight erosons of the service there was no such grandular formation at Rings and Vest describe, but only what secured to be a subsequent stage. I mention this became our ideas on the pathology of the condition of evision are bound to have an important influence on our treatment, as I shall be eather show.

The next plate. Fig. 12 shows two sections from an eruded certix. In the first the certical ranal is included, and the other section is slightly once lateral. You observe the epitholom of the lips very touch titlekoned, with long thin pupillar, as in the other speciment already thowa; but maker the or the flat epitholism is lost, and there is an avidens erosion. You also see between the lips a section of a small polyp, or man of rancous membrane, which, in the original specimen, was purestaged and rather basely attached. On the left is a large glassi in process of development to form a cost or oveling sabeth). In some places the whole epithelfal layer seems ready to sopurate, and at one side it is lost. leaving the papillas bare, as described by the carry authors. This however, is a post-morten change due to macration, while the marrier in which the epithelium is lost during life to by an undermining of its attachment by a growth of glands, such sucan readilybe detected terre in many places with a microscope.

The next place, Fig. 13, shows such a spot in one of the preceding sections, magnified three hundred times, as photographed by Dr. Parker. The enlarged pupilise are seen at one oth, rising up through touses of swellen that spithelium, secretywhere, however, clothing the pupilise, and separating them from their covering, can be traced the layer of cylinder epithelium to which I particularly called your attention in showing the first micro-photograph. Gradually, however, this layer becomes that and then dips down and is reduplicated, forming a grandular space, and it is only to see that the muons of that epithelium above are thus studened from their nesting place, and ready to fall away, leaving, as the percent spreads, a red, raw-looking secreting surfaces depended below the immediate burder of thirdened papiliae, in fact a so-called crossen.

Fig. 14 shows early a gland which has posted in way deep into the numerilar tissue of the cervix, where, normally, no such gland should occur. This plate shows that, in speaking of glands, one does not refer to say more folds of muchus membrane, but to a appoint acmous structure. Fig. 15 shows the arrangement of the glandular spares in a nuncous or glandular polyp. Here, because, the process is somewhat different, for instead of a loss of the flat epithelium of the covex and a substitution for it of the glandular bypertuphy, in the success polypthere is an exaggeration of the conditions obtaining in the nuncous combines of the covers. The small points in Fig. 16 detting everywhore the inter-glandular nuncous are the nuclei of nucley problemsing small cells, which fill the times of the polyp and contribute to its rapid growth, while the large capillation account for the undersey to hymorrhage.

The spectmen from which this section was made was pincked with foreyo from the pathtons cerrix of a poing inly of extern years, who had had a correcterable immorrhage, and had possed a mass from the vagine, probably a blood-ciot. A muscling physician suspected an abortion, and brought me the specimen for examination, thinking it was part of a planets. The result of my examination, which showed that it was simply a thickness but it mineral membrane, with hypotrophy of the glands restored tranquility to a distinguished barilly.

In bud cases the posens represented by Fig. 13 does not stop at the surface, has goes on, as proviously described, until the whole motions membrane is a thickened mass of glands, filled with cysts. In cases where there is any next in the cervix the swellen muscus membrane pushes the lips apart, forming, secondarily, the extrapium described by Emmet.

I think, however, if I understand Emmer aright, that he errs in considering the eversion as directly a consequence of the bornation of the corvix; in fact, as only an exposure to eight of a not very abnormal revisal unicons membrane. As I understand it the process is just the opposite, (a., the mucous membrane focusion discussed from some cause not at present bully understood. Personally, I believe that the "irritation" is due to some from of bacterial growth.

Where there is a laceration, of course the corrical canal is more accessible, and more ready to take on disease; but without lacerations and even in vargine as previously shown, the same glandular endometrics goes on. Where there is no becoming the growth is more composed, and special more or loss away in a ring round the or atom, actually supplienting the flat spithelessa accurally elabiling the vaginal portion. The existence of a lacera

tion parents of an eversion of the evolvenique, and thus accordantly aidds to the irritation.

list awa in time cases, the whole surious of the erastor is missily not everted correct macros membrane, as it is frequently represented to be, and as I understand Emmed to regard it. On the contrary, the process of glandular growth, and systic degeneration, spreads berood the tourdary whose the solthologic should commence. The everted tip of the becomes on is thickened, and clougared, by being actually stuffed with the degenerate glands (see Fig. 6) and these may really spread to the raginal surface of the correlation over to the vagina.

It becomes a very nice question to determine whether such a critical is cancerous or not, for the simple reason that in serior cases the diagnosis cannot be made without the interescope, and it has frequently happened that correcce have been amputated as amounts which were only in guardular deprecention, such on the other hand, that after a laborious treatment of an execution of alteration, it has been found to be manignast.

This fact has an important bearing on treatment, for, it it is a fact that an everted and glandular cervix is more inthe time a healthy one to become canourous, it is plain that it must be eachically busied as eyou as possible; even at the troutile and incouransence of surgical measures. If, on the other hand, it is a pure erineble, so that some erroled and ectropic carriers become paneerone, and if we should believe that they would have become everen if not previously diseased, the indications for beroic or sungical treatment are not assuring so arrong. The question is a very difficult one, and there is a great difference of polision on it among physicians. I think that I am rafe in suring that where there are the greatest copon unities for observation, and where the labet of early removal or portions of suspected tissue, and of careful microscopic study of such spectrees prevails, there is a conscious of opinion that a cresistion of laceration syrmion, and glandular or cyclic degeneration of the servix predictores very decidedly to cincer, under which name I mean to include epitheltoma-

Not to go further into this question here, I will refer to the decided statements in support of this view made by I%. Beamy, the President of the American Gymeological Association at the marking of that body in 1986. I believe that the numbers present and not discent from nor oppose Dr. Beamy's statement of opinion on this surject.

The smalle of American storical inservation thus appear to support the doctroner taught in Germany, which are the result not only of the story of a voct number of most, but of careful pathological immulgations, all compliancing the fact that assessed convices are more listed to categor than usual ones.

A little reflection will show how assume that is, when we recase how moreow is the line which separates the beterotogous grandular development invading new linenes, with its imments reduplication and proliferation of epithelium external to the continuous basement membrane of the glands, from a cancerous degeneration, where the colds breaking through into the lemma of the grands, grow inward, forming solid plugs or processes instead of bellow tubes or arms. The subject is of great interest, and I hope at some fature time to speak further on it, showing preparations and photographs of the removable of glandular berostons, into cancer, which will, I so once suspects often as they have improved us with the importance of caring the preliminary discuss as theroughly, and sudmilly, and quickly as possible.

THEATHERY!

In the matter of treatment of environ, everything depends on the condition of the uteriar, for the evenium are morely to be considered as a symptom of a glambilar endomentics, which has become visible, either by spreading beyond the normal limit of the coryleal columnar symbolium on to the portio suggistle, or by everting a more or ion patitions or because on; thus, is either case coming into the field of view, particularly when a breake speculium is used.

For convenience it is well to divide the cases into-

- (c.) Those of escalled simple economs in vargins or ralliparse, associated with antefexion of the uterus, or with stenses of the os, or with elongation of the certix, or with various combinations of these conditions, in most cases causing symmetoryless.
- (b.) Knowns and endorsecratio of moderate degree, with subsivotation, following particulars.
- (e) Krosions with extraprism, as complications of a lacerated cervix. In either of the last two classes there may be a more or

less complete resture of the perineum; in any case there may be personeritis, polyle peritoritis, salpengitis, adheriers, etc.

(d.) Involunte cases with industries of corvex, and suspected of commencing mulignant degeneration.

I believe that stury all ruses will full into one or the other of the above categories, and I believe that, except in the second class, and provided there is no inflammatory trouble in the parametrism, by far the most satisfactory results are to be obtained by surgical measures.

For the first class of cases, those of erosions in cases of annufaction, the last being usually congenital, or a servical of the inlantile form, aggrarabet by repeated memorical congestions, there are those modes of treatment, via Post — The modical, comprising dearlas, dilarations, tampons with modicated glycenus, or been glycenide, intra-utesine applications, etc. This has been admirably elaborated and described by my friend. Prof. Wylie, and in many cases with care and persistence, it is effectual.

However, it is a rather serious matter to condemn a virgin to a long course of local treatment, and with the best of care it often falls to give satisfactory results even in sterile married women, where ethical objections have less neight. This treatment however, skillfully applied, in, I holives, usually inferior to ranginal innerference.

Scenario Slitting the cervix, at one time in vogue, and lately recommended, may have its place in certain literactable cases, where the corrix is extremely hard, but such corvices must be very rare, except as complicated with a state of hypertrophy, better cared by partial amputation, e.e., of the excesses of tissue.

Third, — For the vast majority of such cases, in fact for all but exceptional ones, and particularly where there is endometritis and storous of the or, it is much better to advise an operation at once, for, if properly done, with complete antispets pre-cautions, there is no danger, there is little subsequent discomfort, and a speedy and satisfactory cure.

The patient is othorized, the regim well washed with sublimate solution 1: 2400, the corried samel well disinfected with a stronger solution of the same on an applicator, the co-diluted with Goodself's strong dilutor, or Wylie's sastified Sine dilutor, the diseased mucous membrane straped out with a Sine or a Martin-Recamer coretic or a slimp spoor, removing thoroughly the glandular hymetrodic.

Injection of iron relation is not recovery, although added by

treasy.

 If there is hypertrophy of the certax it is to be removed, or if there is anteflexion, a stem possery, well disinfected and subbed with induform; is to be introduced into the uterus, after the latter has been corofully mashed out with the sublimate solution.

Some iododern-wood is placed against the end of the stem to

retain it, and remains there for two or three days.

The patient keeps the best for a week, and then the stem is removed with antiseptor precautions. In a few days more abstracy get up, and the suffering and trouble are usually found to be could the economic naturally, are gone. Seldem is after-treatment recently.

Such a rate with men a result is represented by the first photograph, Fig. 2, and 1 could report a series of similar cases with equally initiatively results operated on by Dr. Marry and myself.

I suppose that it is darily notewary to must here on the fact that neither this not any other operation on the carvix is to be undertaken while there are scale inflavoratory processes going on in the sterms of the parametrisms. Emmet has sufficiently posited set the recessity of removing all inflammation to rest, but describes tampons, etc.

With our present knowledge of the frequency of sulpingitis, and of the functional exciters of inflammation, we can understand better than formerly the muscus why the presentions are presently, and her offen the whole forms of inflammation can be removed in the form of a discussed fallopian tube. For cases of stemate with designation of the cervix, economic, and endocements, seem dilution is often not sufficient, and it is designate to remove a partice of the hypertrophic tissue, and at the same time to restore the proper shape to the cervical canal and in external.

It is not my present purpose to onter site the question of the charge of operations: the light and shill of each surgeon may accomplish a good rough in various ways.

The next class of cases a where, after parturities, although there is little laceration of the cervix, the uterus remains authorolised, with endometritic and precious.

I believe that is these cases the subinvention is exceed by the

endometritis and not non-result, i. s., they are the coults of a mild sepsis, or bacterial infection; and proceedy these cases, when not too invectorate, are susceptible of cure by annisoptics such as afternoof silver. Sincture of sollins, or strong carbolic acid; of these the latter applied thoroughly, on a cotton holder, is the most effective. Of course, hot doucles, and ergot, strychma, etc., are also indicated, with vaginal tempors of gipowine 16, alarm 1, horoglyserade 1, as recommended by Wylis.

Even in old cases, where the uterus is enlarged and hardened, much good can be accomplished by this sort of treatment, but the results are not usually very estimatory; and in the next class of cases, where there is rervical becention, the indications for surgical interference are even more importative.

Nevertheless where want of courage, or opportunity, on the part of the patient, or a want of fairle in surgical sensores on the part of the physican, exclude operative interference, the patient can be neade comfortable, and with patients constitute apparently exped without operation. Some were a large such a horror of a larife that they will go about all their local with a lacensed correct and ruptured periodum, noter being quite well, and requiring more or less perpetual treatment, rather than traderge an operation. The state of mind is not confined to woman; in fact I think they are braver than most who when they have bemerrheads or hermia hydrocole, or aperuatoosis are notationally unwilling to undergo any radical operation, but first that their intuitives requires it to be perpetually pustponed to a more continuent season.

For such women much can be accomplished, even in cases of extrapium, by puncturing the cyala scraping of an arise of the glandular structure as as possible under the influence of recains, and applying at internals strong carbotic acid to the diseased munora membrane.

The day treatment as used by Dr. Engleman > very effective in healing the orosium, and promoting involution of the everted line.

He dists the parts with followin, and parks against the ensists balls of subdom-coston wood about an tach to discrete, with of which balls is enclosed in a thin layer of styptic tron-cotton. This remains in place for two or three days, when it is removed and a new dressing applied.

Under this treatment, without detrches or glycerine tampose, the ermions had the glands dimensis, and the excited lige some together. Dr. Engleman was kind enough to show me several anch vaces in St. Loria, and it struck me as a very sice, close, and effective treatment.

Apostoli, of Paris, who has been kind enough to send me his panighlet, uses a constant current of elementy, with one pole in the attenuated with a large pad of fuller's earth for the other pole on the abdoment by this means a current of high tenuils stronged on in and unifout much peris, which effectually arrests the glandular development in the endometrium, causing an exchar, and thus in Apostol's equation, answers the purpose of a curretting.

Where there is not much increation of the ceverx, nor rupture of the perincum, these various measures answer view well for pations who have a fear of operative measures, and have a skillful and purposenting physician.

Nevertheless, it seems to me more scientistic and satisfactory to give the patient either, samps out the sterms after thorough discofactors, remove the ghandular hypertrophy at core, report the lacerations, make a good on covered with that epithelium, and thus rure the patient.

At the more time, If, as is very frequently the case, there is a sustane of the periodic, possibly complicated with cyclocols or sociocels, the periodic can be repaired, and the appropriate colportupity performed, to remoty the other below.

With little point and my fover, the patient thus gens in an hour a beautit which sho can solders receive in years of local modical treasurers.

How much more, then, in cases where there is my symptom of malignant degeneration of the crossess, is if the plain duty of the attendant physician to recommend thorough removal of the susported mount?

The consensus of authority all over the world neverts that inteterate corvical erosious are pocaliarly liable to camprons degeneration.

I hope that the foregoing figures have made it clear that there so-called creatons are not in any sense losses of substance, caused by mechanical irritation, etc., but that they are an active new for mation of glatria prace to recur, even when removed, reality invaling the portio vaginalia, where it should be covered by flat epithelium, and thus, by all analogy of pathology, they are to be viewed with suspicious, and removed with thoroughness.

Every one who is in a position to see many cases of success of the cervix knows that it is the suddest part of his mountful duty to fell the patient that it is "too late to remove it all," and in so one thing is a greater advance in practice to be bound for than in the early recognition and removal of whatever seems either manignant, or dealerful, or so investorate as to be likely to be an early stage of that most dreaded of all the ills to which the sex is subject, etc., a causer of the womb.

Dr. Carnalt expressed his gratification at Dr. Cushing's very beautiful illustrations as being an exceedingly clear demonstration of the transition of adecoma (as the glavitular hypertrophy than Dr. Cushing demonstrated histologically is) into curvinena, and as thereby confirming the views he had held and mught for many years. It is a further demonstration, if may were needed, of the correctness of the Thiersels and Wahleyer theory of the spitfulfal origin (d carcinoms, a theory now very generally, though not universally accepted, but which is, as in this case, constantly receiving confirmation by intrestigations in the various fields of surgery and pathology. Dr. Carnalt had not had the opportunity to study the development of raccinera from an adenous in this particular locality, but he had studied it so frequently in the external sicis, had seen it developing from sweat glands and bain builts and seluceum follicles, as well as from the rete Maloigini, that the demonstrations of the evening, by reason of the similarity of structure and armagement, seemed almost familiar. Dr. Carmalt descred to refer to the illustrations as also indicative of the local origin of marser and the text of Dr. Custing's paper, while not directly staling so, was capable of this interpretation, insumch as he referred to the well-known clinical fact of the lability of concer to attack persons who have had o'd i unbealed emission " or glandular hypertrophy, as Dr. Cooking designates it, - the flowers tions showing just how this took place by the invasion of the deeper layers of epithelium under the inflaence of a long-contimed irritation ("unhealed groups") into the connective these substratum. Our honored colleague, Dr. Emmets, has indicadupon the necessity in practice of making the inceions deep. enough to get healthy risenes in apposition, so that union may take place; that means, as we see by Dr. Cushing's demonstration.

that the deeper layers of the glandular hypertrophy, the adenomation new growth must be entirely enalizable, or it will continue to grow, and, object-by penetrating the despersional of connective tions, take on the occupatedled, unformed, immature growth characcertails of constrouts.

The pressity of the saroful removal of all tissues which may by any possibility contain the elements of a concernou growth, that it epithelial processes growing invigalarly is the under of connective tissue, extends, however, layoud the immediate locality. Biliroth first formulated the important difference between carrinomes and sercomes with regard to their generalisation that is, that, in the great majorny of cases, the former generalized by means of the lymphatic system and the latter by the blood teasels. Now we know that practically every accordary deposit is a form for the further careed of the disease; and in this we see the necessity of enlarging the field of the operation beyond the part first affected, in order to search most thoroughly for any involvemeat of the neighboring lymphatic glands. In cancers of the breast this is so emphatically the case that all surgeous who are alcenst of the times suchate a cleaning out of the asilla in their operations. It is not enough to say that we cannot detect may enlarged glands by palpation through the external skin; the skin must be cut through and the dissertion carried down to glands themselves before one can assure himself or his patient that -all disease has been removed." This is so emphatically the case that Dr. S. W. Gross of Philadelphia, with whose work on "Tumors of the Manuscary Gland" you are all doubtless familiar, told use than n was his general existen to make his first increase in the axillaand clear that out before the removal of the breast. If the sailla could not be satisfactorily cleared out, he professed to dealer from the operation, to close up the saillary wound, and leave the breast amodel.

I beg the society to excuse this digression from the subject intractively under discussion. I only refer to it to emphasize the point Dr. Cushing has made, of the necessity of a thorough removal of all the diseased (hypertrophed) guardular tissues.

Dr. Storm seconded the motion and remarked: "I would like to sok Dr. Cushing a single question, suggested in part by the remarks made by Dr. Carmalt. I believe with Dr. Carmalt that in excession of the breast for carcimiris, good surgery demands that the glands and the lymphatics streak be thoroughly removed, even if the dissection had to be carried to the classicle. But I think that it would be easier to do this after the terast was removed. We can not in carrinous of the womb likes the operation to that of suppristing of the breast, since we are mable to remove the affected vessels and glands beyond the disease. The question I would sak Dr. Cushing is, of he would attempt the renoval of stering current for advanced cases?"

Dr. Storrs mentioned having recently seen a case—seen for the first time where the vagina was infiltrated so that a digital examination could hardly be made. Could such a case, he asked, be one where an operation would be partifiable? He said that in his experience he had seen no benefit in the operation for the advanced cases.

Dr. Ingalis added: "I most corduity agree with Dr. Conting is the importance of early operation in these cases of unliganit discase of the sterns, and believe that when uterine tissue only is involved, the early removal of the absenced structure affords the patient great relief, as well as perlongs her life but I must take tone with him when he save that he advises operating where the cancer has invaded the cellular tuene adjacent to the cervix. It has been my experience in such cases, that the very fact of operating scene to add a stimulus to the growth, which rapidly passes on to a faul premertion, and I believe that it is almost useless to attempt an operation unless you can get beyond the diseased structary into used thous. In these cases such a procedure is well nigh impossible for the cancer has generally so far infiltrated the traco-vaginal and the rocto-vaginal septa, that to get anything like the whole of it away would involve the creation of fistular. and so firmly its I tollieve this, that my advice to all patterns who come to me afficied with causer which has involved the collabar. linius about the atorns is not to him any operation, and I believe they live just as long and in the end are better off."

Dr. Natour remarked: - Dr Disting was speaking of mitigating symptoms by excision of the categories corvix. In Jan., 1885, a woman, multipara, 29, bad had repeated monthly hemorrhages, very slarning, from some growth upon the anience corvix. The emire automor corvix was easily removed, there being a body, in in some degree empeted, as large as a small agg, easily detached, but the whole anterior corvix was excised. The only fault was,

that we did not excise the powerier also, but it did not mene at all involved. The growth we found could be growly classed as success, and the microscope revealed spinitle-shaped and candato colls with analei. In April she had two hemorrhages, a fortnight apart, not very troublescope, and no more. She had two years of comparative comfort, but in the year 1885 the rost of the neck and the fundus became involved and she shed Feb., 1886, more than three years after the operation. The neck was readily brought to the external raginal on so that a complete amountation could easily have been done. There was never after the operation any really troublescome hemorrhage."

De Avery stated the history of a case of his where the comband the vagine and fatis were involved in a hard currents mass. A specifical could not be passed into the vagine, and the linger could barely be introduced; the domised mass felt exceedingly fard and filed readily flowed upon manipulation. Examiration per rectam revealed implication to the vaginal arginus. Now the question Dr. A. desired to present was: If with these conditions Dr. Coshing would advise extirpation by surgical operation.

Dr. Coshing replied that cases of this kind should not be excladed from possible surgical anotheration.

ESSAY.

A MEDICO-LEGAL STUDY OF OUR CHARTER AND BY-LAWS. WITH BEASONS WHY THEY SHOULD BE REVISED.

BY STEPHEN G. HURBARN, M.D., NEW HAVEN,

[Send before the Meeting of the New Haven County Association, April 21, 1887.]

It is always with a feeling of great reluctance that one approaches the performance of an unpleasant duty, particularly when he feels bimself to be equally responsible with all his colleagues, for the existence of evils which the general good requires about he removed.

And no one who volunteers as a vigorous opponent of a system which has become houry with age, most grown with obsolete ideas, and not only meless but damaging to most of those connected with it, need find surprised if his motives are sometimes misjudged; but the sense of satisfaction that waits on duty done should be an ample recommens for any sacridoss it may have cod him.

In taking the affirmative side in the discussion of this important and timely question, I shall bring before you such authentic facts as you can easily verify, and which I hope will lead you to the conclasion that changes in our organic law are importatively required.

Two years ago I had the honor to read before the New Haven County Meeting of the Connecticut Medical Society, a paper suggrated by the near approach of its consennial anniversary; partly hostorical of the New Haven County Medical Society, fermed in 1784, and which, after an incluste summance of seven years, was finally incorporated in 1781, and the next year was merged in the

^{*}Through importance of the Clerk of Sen Haven County Meeting, the little of this juster that our result like Secretary until the first day of the County atom.

Consectiont Medical Society; has usually the paper was so far as it extended, an argument in favor of an assendment of our present charmer, or the substitution for it, of a new plan of organization on a basis of equality in the rights and privileges of membership, and the making of every member a Fellow of the Society. So far as I am aware, no attempt has been made to show that the organizates there offered were unstand or that there exists any valid reason why the proposed changes in our organic has should not be usual.

I should sold that the southwests of that paper, rever before publicly expressed, simply gave atterance to the long-senablished. consistions and wishes of the mosts, as was demonstrated by the deliterate vote of the unjority in favor of the units principle of the proposed new charter, and by the wider expressions of opinion since that you was cast. The narrow limit of time then available, however, prevented as full discussion of the subject as was desirable; and with your permusion gentlemen, I will affer now a more direct line of argument, projected on a different plane. against the continuance of our present system, and ask your most serious attention to the loosensoo with which our present charger was framed; to the ambiguity of its language; to its failure to meet the needs and the demands of the somety; as well as to the apparent matality of members from that day to this, to comprehond the limits of the authority conferred by the charter on the President and Fellows; and to the demonstrainy influences of the charter and by-laws, as a whole, upon every member of the society.

As we proceed, you will be able to draw your own constrained as to the reasons for the strained constructions put upon the started and by have from time to those by the Pelicers and for their restimes to exercise potents which the elimiter has not conferred in them. In this connection I will mention a fact as surprising to me as it may be new to you, and which may emable us to understand without imputing direct forms anywhere, what is otherwise most planets. Since my attention has been called to the next of a critical sindy of our laws, and an exhauded correspondence has placed us in consummation with a large proportion of our members. I have been greatly astomated to find how very few almost some at all, is point of fact, have now read them. May not this fact, about incombile on it appears, second for much of the maintent.

administration of our affairs? Can any man plend ignorance as an excuse for wrong doing?

Of all those shoosel since 1870, mader our present marter, and a maple are has complied with the conditions of matter four. Chapter four, of the by-laws, which requires the member cleet to affix to them his agreemen, "or otherwise declare in arriving, his securit to the same within our year, or mich election shall be void."

Ocathesien who have been nominally elected to membership since the adoption of our present charter and by laws in 1810, will have no difficulty in deciding whether or not they are members of the excistly; and especially whether they are not greatly out of place when they come here as Presidents and Pellows, and assume without the authority of law, the functions of our governors. It cannot be accessary, I am sure, for me to my that I cite this fact only to call your attention to this primary reason among many others, why our charter and by-laws should be torised, in order that these persons may become enfranchised—members in full of a professional body, the laws and purposes of which they seem to have misunderstood.

I have inquired of many, both old and young, and without exception they have expressed their disappointment on inding the charter and by-laws to be what they are, for they had supposed the sortety had of course been formed on a high professional bate, and for the minual hencest of all of an vieral-er. — otherwise they would not have joined the society. Not sured the gentletion to whom I just this question had read the charter and by-laws helves his election; and not more than half a down had ever read them at all. One of our ex-presidents writes me that when he read the charter and by-laws, he was surprised to find himself as a member, bound hand and frost, and a more non-entity, so far as a share in the government of the scenety may concerned, a condition form which he looked for specify deliverance.

In my opinion, we are perhaps warranted in believing that in according the limits of their methority under the charter, our elected Fellows are in a measure excusable, if any intelligent people can be so on the ground of deficient information as to their charter limitations. Do any plead this as an excuse? Intimately associated with this tendency to over-estimate their legal powers, we have too often seen the utiling purpose to exercise illegal powers by assumption, for the promotion of the invariety stim of a few individuals, singly or combined; while underlying the entire administration of our affairs, and exercise a prescious influence on the morale of secrety, is the destructive fact alliafed it, but too controlling to be lost eight of, that every member upon his election as a Follow, becomes the processor of absolute and irresponsible power. I have said electricity, that as a Follow he cannot be instructed by his constituents; and as we have recently had cause to know, othe President and Follows: are not responsible even to a sequenty of the society; and if they should choose to disregard the expressed unider of every secules of the saviety, excepting themselves, there is as power that one present these.

We unreally go through the form of electing smealled - representatives." but in what respects, will any one tell in does the rule of our governors differ from absolution?

Under such a state of facts as I shall describe, and considering the weakness of feature nature and what has actually occurred within your contanguatelys, it is not easy to finit the extent and variety of multicasence to which the excisty is exposed, and may possibly experience.

To declare that the society is a countrie of the law, and must be governed according to the law, is to make a statement of fact with which every member will agree. Standing together therefore, upon this common ground of agreement, we all are prepared to examine carallelly the legality of our present position as a corporation, and the inadequacy of our abanter and by laws to meet the much of a accord organized and conducted emenality for scientific purposes, and so administered as to promote the professional interests of all its members; and may I not also add, that we are propared to accept without reserve the logical deductions that must be drawn from whatever facia we may find.

The more our cluster and by-laws are examined in the cold light of judicial interpretation, the more clearly do their contradictions and aboundation appear; and these have all come into unwelcome existence during the lapse of years, and through the want of care and intelligent attention on the part of successive generations of our governors.

If you were to ask, as we proceed, why have not these deformition and ovil tendenties been brought much earlier under entiral examination? I reply, it is partly because "custom bath datled our sense"; and partly because so few have had any care to read, and still fewer to understand this instrument by which we have been feelily and blinkly trying to regulate our action and promote our probabonal interests; but cheeky it a became the expressed will of the majority has never until labely, been as violently theoreted and overhome by the choose and magnitude power of our processes; and exercised in this particular instance, without authority of law.

To men accumented as you are to weighing evidence and to the habt of logical reasoning, familiar with legislative forms and the plainest principles of law, a more allusion to the existing mass of facts nuglit to be sufficient for their correction; and when twos they are longest to your notice, it ought and to be necessary to offer repeated arguments against their longer continuance.

But, so strange and varied are the constructions men put upon imaginage, and upon the same facts viewed at the same time, from widely differing standpoints, by many observers whose knowledge of our charter and by-laws is often, when at the best but second-taset; and incorrect as a just decrease of the main questions now at issue among us must turn upon the senicity legal interpretation of language. I have thought it would be muchl, not only to the President and Fellows, for whose consideration this paper has been especially prepared, but to all the members of the society as well, if for once they could read the charter and by laws in the light of competent legal opinions.

I have therefore entenitied the charter and by laws to the judgneuts of two prominent lawyers of this city, and asked their opinions in reply to the following questions. And to their independently framed unswers, all of which coincide. I bug to invite your most seroful and critical attention. The replies to my questions are morely given verbarra, and the completed paper has been carefully read by one of the legal gentlemen referred to, and approved as to its points of law and the arguments based upon them.

Quarter Int. Who are Fellows of the noticty? and how many can be legally chosen by such county association?

Above. "Section I of your charter provides that the "Presifect and Fellows of the occupy shall be compared of the officers of the county for the true trues, and of Fellows, not feet their circumstances."

-By a strictly legal interpretation, this words relicon if the

nariety for the time length mans be taken to mean mich officers as are required by similar accustion for the transaction of their accuracy resulting functions, as a president, a vice president, a secretary, and a transacter. And it is worthy of notice in corroboration, that in your first charter of 1792 and in your second charter of 1884, these hair above-camed "affects for the time being" are expressly designated as Pellows by string of their office; and they were required to be elected sensedly. The words of your charter of 1870, as well as your systems under a imply the same requirements.

With respect to the number of Pellows that can be legally elected by the oscobers in county meeting assembled, the language of the same section three is equally clear and precise, and by its provisions, such county association is authorized to elect then fine than three new man than fire."

It is not within the powers of the Piculdent and Fellows to authorize one county to choose \(\rho_0\) Pellows, and mother county to shows but then. Section three of the charter confers upon each county the option whether to choose in county meetings (iver, four, or \(\rho_0\) Fellows to represent them, as they are supposed to do, in conventions of the Picusdent and Fellows. Therefore it follows that the governing body has no power to add to or diminish the number of the Fellows chosen within these limits, "not see that there are true than \(\rho_0\)," by any of the county meetings. Optional shows caused be controlled by treams of by laws, and the refusals of Presidents and Fellows to permit Tolland County to elect as many Fellows as it might choose, whether three, \(\rho_0\), or \(\rho_0\), was in variation of section three of the charter, and "repugnant to the laws of this State," and therefore vote.

In passing I remark that this construction of the law and county of the case has always been advocated more or loss strongly, by many members as correct. So far this as \$828 par report of early Proceedings, when Phirtical County tool only four moments more than Tolland, the latter hombly pentioned that her claim for an equal number of Pellows be granted. But, "on report of a committee of one trois each county, her pention was denied, as irrespections for the person." It should not be forgotten either that when in 1878 a hydrowers passed on the petition of Middleson County, allowing her to choose for Fellows instead of their, as formerly. Tolland again dermarded the same consession of her rights, on the same legal grounds, to we, then according to section

three of the charter such county was outstied to about the same number of Fellows. Dr. Geodrick of Vennus, advected the claims of Tolland on that occurren in an able speech, based on the plant language of the charter and the indisputable fact that his county had for many years been deprived of her berthright.

As an advocate of the right of every member to represent himact and to have an equal voice in the management of our affairs. I offer thou facts as a pertion only of a long series of reasons that might be affered why our charter and by-laws should be annually ately revised, and not as an advocate for an increased number of elected Polices.

If you canning our charter, and study our by laws in the light of the charter, you will be surprised to find how loose is the language of the first, and how the organic law has been evaded through lensal misconstructions of its language, and how contraductory and out of harmony these laws are with themselves, as well as with the organic law. Looking closely at the constating instruments," as the charter and by laws are called in legal phrase—so called became they are always supposed to man' (notice and in largest phrase)—looking closely at these, what do we see?

Presiding officers of county meetings are in the by-lews rendericopnessings of the State society, and are so-called regions to the time being," and, regelber with members of a commuttee on matters of prodosconal interest," are named Pollows or offers, and the states eleven are added to the forty-two elected near emitted to vote. But the charter confers on them no logal status as such; and the winder is that our governors did not include among their Fellows or office the stocks of the county meetings as well. Under the laws, elupter time, section three, these county presdeals cannot provide over any meetings of the Fellows in the absence of the Provident and Vice-President. They have not functions, no powers, no status as Policies. They have no more right to vote than so many other members; yet since 1820 they have voted regularly upon all questions, though their right to vote has always been by many dented. Most of you will remember that in 1883 it was proposed, for the purpose of enlarging the governing body, and thus diminishing, as it was erronweady claimed it would the the growing evils of Pring rule" to pass a by-law making of every expresident a permanent Fellow of the society. The committee to which the proposed by-law was referred

reported adversely the next year on the ground that "it was found to explicit such more three of the sandy's cluster" (risk volume for 1884, page 14).

The committee thereby rightly decided, and placed on record a rule of law which, if colored as it should be against the entire staven Fellows in 1964; "officers for the time being," as they are falsely styled, for they have no shadow of right to cast a volumental remove one of the sequence of dissental-action with our present continion, and world a sufficient resson for a prompt presson of our charter and by laws.

Did time permit. I could post out to you other instances of illegality in the by-laws, and of their conflict with the charters but there is one instance so illustrative of both these dangerous and sometable relations, and is at the some time so flagman in an violation, not only of the charter and by-laws, but of the entire history of the society since its foundation, and is so opposed to sound policy, incomach as it tends to relieve officials from a sense of personal responsitionty and the restmining influences of annual electrices to office and is so contrary to usage, that I should feel guilty of discopility to the profession, and neglect of duty, it I failed to being it positedly to your notice.

At the messing in 1834, the same Board of Fellows that refused to sarction the proposed by law making permanent Fellows of all expressions, because it would be in violation of the charter, did exact a by-law solving the elimins of the Secretary providest. Of course, gentlemen, all know the action of our governors is contrary to the charter—contrary to all the by-laws over enacted—at war with every eliciate of common sense—"repagnant to the laws of this Stone," and therefore cold. I refrain from alluding here to the circumstances which led to this insure proposition, and for knew them. But what excuse can be offered for this reckless action of our despote governors?

Let us suppose, however, for a moment, Mr. President, for the sake of the argument, that you are declare the election of the Smoothly parameter, and threeby make of him a permanet follow, as you have done. Does at not follow that by similar meaning on can declare all the officers of the Society, "for the time being," permanent? And declare the elected Follows—all she Fellows by "french"—and all the "Fellows or large" permanent officers of this incorporated society? You can thus, by a word, by a stroke

of the pen, secure for the rank and file of the society, a personnel enception from the treatile of holding future elections, and future attendance upon annual meetings. Why should you not do this ? What hinders you? Have we not been all our lives under the central of absolute and irresponsible power? Have we not already, and of line, taken several empiderable strides toward abelytion -that condition defined as "independence of control from constitution or laws - the principles of despetion?"

A growing disregard of constitution or laws by those who have assumed the direction of our affairs, has of late years been not an infragrent topic of conversation by members in various countries. and men ask of such other with a feeling of apprehension, " what nost "7

I have surgetimes heard this question solved, and my own authorto it has always been that, as a direct his inevitable result of our bad system, which has so parallel in New England, each one of me has become more or less tainted by the last for absolute power: and that, as the official cobes fall upon us each in his hum, and upon some of us with dangerous frequency, this demoralizing in-Burner will continue to increase until the demand for perison of our charter and by-laws becomes practically manimous; or until the society is dishunded,

Before emering further into an examination of existing by laws, I ought to mention here one point made by my legal friends, as of the fest importance for es to keep in soled winds we are discussing the principles involved in this question.

The passe in this, and I quote their language verbatin, as follows: -All the acts of Presidents and Fellows, he which they have erented Fellows through by-laws - through declarations as to socalled officers for the time being - and all the other maintenance tations of law (unintentistial of course) by which the number of Pellows has been increased beyond, and contrary to, the plain perwiscons of the charger, and particularly the one by which sire Fellowe are given to Hartford, and only show to Tolland, - but more than all else, the crowsing act of margation by which the election of the secretary has been declared presented, are assettg those artswhich the law calls often rive / that is to say, acts which are beyond the powers of the executive part of a corporation,

"Such acts are of course contrary to the statute laws of this State."

Quadra 24. What are the powers of the Fellows? and what are their legal relations to this society Σ

Assess. "In polying to these I'm queries, it must be understood that, by the same rules of interpretation of language, the office of Fellow can only be held under the charter, by the tofficers of the society for the time being - to wit - the President and the Vice-President, the Secretary and the Treasurer, together with rack others in may be legally shown under the charter provisions. of section three of the organic law, by mombers in their respective counties. The powers of the President and Fellows are specifieally enumerated in section two of the charter to be these only to wit - to prescribe the duties of the officers of the society, and the members, and to fix their compensation; and to hold and dispose of all moneys and property of the somety as they may think proper, to promote the objects and interests of the society; and in general to make such beclass and regulations for the disc government of the society, not represent to the force of the United States or of this State, as may be deemed processary."

This section ties of the charter, appears on emmination to be a erule and ill considered section, narrow in its scope, faulty in its construction, and totally incompatible with the spirit of the sge in which we live. I ask you to note the fact that our governors have not thought it accessary to inesicate, or provide for the duty of members to assemble from time to time, for the free discussion of questions touching their interest as the estimologic interporated, as well as the general interests of the profession as a whole. They do, however, permit the Society to hold for a few hours what is called an annual convention, with a programme so arranged that: no act or function can be performed, and no discussion of the society's interests can take place except it is authorized or directed by the Provident and Pollows whose annual sension was held the day previous. A few papers may be read by appointment; but no member a psemitted to read a volunteer paper, even if it has been commended by the manimous vote of his county meeting, unless its continuous are supposed to be in accord with those of our governors. I say, unless they are supposed to be in accord, because in some instances the decision is made before the paper reaches the econstittee of yublication. The name of the author it is enough to know. The case of Dr. Baker and his paper, rejected after corpection of the proof; done not mand more, as far as the governing

principles of action are concerned. Thave been awared, and can well below, that there have gone out sometimes, from hendquarters, private matractions to the faithful that no discussions of cortain questions must be allowed, even in the county meetingseach less in any meeting of the President and Pellows, for fear of distribing the peace and harmour of the society. Can peace and farmony be destroyed by the calm discussion of facts and prinriples? or can they be preserved through the application of a gag law? If either of those propositions is true, which I desy, what must be the scientists value of the covery - what its odersetional and social value to its mumbers and what a degraded posttion it will even come to occupy among the other professional bodies in the commonwealth ? No provision is made in the bylaws for the calling of an extra meeting of the society, and none can be called by any body. No provision is made for the adjournment of the namual convention - or for the decision of any question by the upter of members, and yet the society does adjourn, and could adjourn to a set day; and questions are distated, votes are taken, and committees are appointed. These faces, and others still more striking and significant, peace beyond concovers the existence of reserved rights of the individuals incorporated, and we can confidently fall back on these reserved rights for protection against any abases of the law.

This brings us naturally to the consideration of,

Querries 5. In whom then, does the supermy power of the budy corporate, forces as the Conservest Madeut Secrety, while, - and to what extent can if he figuilly exercised ?

This question has not been unbrusted to the same legal archority. as were the others, hat its

James rests upon reason - upon the established custom of the society-and upon the higher law, acknowledged by all auniforbodies. It abides ogually and permanently in every instrictual member of the corporation; but by the conditions of our autocratic old-time charger if cin only to exercised by the corporators as a sealey, whenever in strict compliance with section three of the clustes, ii elects Fellows.

The sourcese power of the society was, bowever, again exercised in 1885, when a real-certy of its members, acting upon the formal invitation of the President and Fellows to express by written ballots their opinions and wishes respecting a proposed new

charger for the society, recorded their roses in favor of such a charge; and that unionity, and the outlier wite, were greater in proportion than the one by which our but State constitutional amendment was adopted.

The President and Fellows, in issuing this formal invitation, and appointing a committee to superintend the ballottings, and to receive and report the results, have placed themselves on record as fully recognizing the reserved rights of the corporate members to the exercise of a superior power, wherever and decrees the best interests of the society may require it of them. Upon this rock we can all stand. This great foundation principle established by reason,—by the higher law,—by the inswritten code, as well us by the annexit customs of the saciety since the dawn of its existence, has always until 1888, been acknowledged by the President and Fellows, and invariably acted upon, whomever the question of adopting constitutional assertiments has been presented; it has thus become the common law of the society.

It is an entire miscosception of the rights of the body corporate as well as of the Fellows elected by it, to suppose that the adoption by the society of a new charter, or of an amendment to the old, + requires to be ratified by the President and Fellows. In order to make it hinding upon the society. The approval of those officials is only required as one of the subset of steps by which a newly adopted charter can be brought before the logislature, and then become one of the statute laws of the State.

Reasoning from false premises, in the absence of knowledge of the principles of law, and without due reflection as to the rights of the soriety, and of the Pollows, as some of in have done, or for whatever other reasons, the conclusions reached by them could not have been otherwise than errorsons: and therefore, it was perhaps not an unnatural error for the President and Pollows to claim powers which the Pollows have never possessed, and have sense below observed to corosis.

On those grounds, and a confused unfamiliarity with the Listory of the society, as shown in its several charters, in its various by-laws, and its current published proceedings from its first session to the present, it is not strange if the present generation has begetten that the right to determine whether any, and what changes shall be made in our organic law is one of the great nearred rights inherent in membership; one of the supreme powers that

belong wholly to the numbers of a body corporate, and range be alignated or assigned. Much less can they be exercised by a tomperacy board of managers. This princedial fact that the source of all power abides in the people, has always until istaty, been fully recognized and anquestioned by its whenever we have changed our organic laws.

If you will take the trouble to read the very instructive repoint of our early proceedings, as well as those of recent years, you will see that in every instance, as in 1756, 1886, 1874, and lastly 1869-78, the question of the adoption of proposed changes in the - Act of Incorporation," or of a new charter or of a charter amondment, has first been submitted to the popular vote; and the President and Pollogs have simply regutered the will of their counting ents, and submitted it for approval to the logislature. All such propositions laving their install point, whether in a county resolve, or in a motion nucle in convention, have been respectfully outsolered, and have followed this line of procedure.

While these elected officers, our Pelione, have been spoken of "preforms" as our governors, they are more truly our board of flirectors. They are the managers for a corporation, but not the exposunes stell. Their failure to keep in mind this broad sometion, has been the culminating one of a long series of metalos which are the cause of all our present difficulties

Is it not time, Mr. President and gentlemen, that in our practices as a corporate body, we should return to first principles, and recognize in them the only foundation on which we can untily rebailed the weakened and tottering walls of our venerable and honored institution? Dissatisfaction with our present system of government by elected Fellows is espelly infroming in our more propelous counties; and in the whole State the unfairness of it as universally acknowledged. The first step in the process of recorstruction each to begin, is to writte the question of the basis of representation; and the frequency with which this question is ngitated, is a fair measure of the importance which is altacked to it. While the proposal to elect representatives in a ratio of one for every eight or ten members of the county meetings, seems to be on its face perfectly fair and just, as an abstract proposition, and would be so in fact if our population were more everly distributed, it must be evident to every reflecting found that, under the existing state of facts, much more than half our population being

in three counties, such a basis of representation, if satisfactory today, could not long remain so. This question however, our waitits proper time for discussion. But the fact that this year, the topic has been arged on our attention by fibres at least of the counties, must surely be considered as a raind reason for a revision of our laws.

Can these appeals for a radical change be safely ignored? Do gentlemen suppose for one measure, that free discussion of this or other questions which concern to dorply the very existence of the society, can be silenced or smothered by star-chamber edicts, or the fat of a cancus? If so, they greatly decrive themselves. Probably few of our members have ever read or heard of the address to the society made by the sharter committee of \$860. They said some very good things. They succentered difficulties they could not solve. They appreciated the objections that must always be against our old system of unfair and irresponsible representation by elected Fellows. But, in the presence of the crude and unformed ideas then prevailing, they saw so other possible course open to them, and they evidently adopted that one with reluctance. One of their number, as I know, advocated selfrepresentation, but the time for equal rights to all had not note. The committee did the best that could have been done under the existing coreumstances. Reading between the lines, however, it is evident they must have foreseen that our present bud system, saited only, if at all to a sparse population, with primitive ideas, and a live standard of fitness, could not possibly endure; but would in time be event away by the minud and irresistible movements of our population, and the inexecults logic of the census returns. When that day reaches us, and it is not distant, do you suppose we will have any ness for elected Fellows?

The march of slear is never backward; and we should prepare now to meet the inevitable while we can do it with little commotion, by so revering our organic law that, while every county, small or great, shall have an equal share in the assumation of our officers, every member shall have an equal resist in their efection, and an equal share in shaping the little legislation that will be necessary for us.

ESSAY.

NATURAL AND ASSISTED LABORS, WITH ESPECIAL REFERENCE TO THE USE OF THE PORCEPS.

By R. M. Generole, M.D., Maxemerre.

[Read before the meeting of the Hartford County Association.]

The property of the frequent use of the forceps in labor, is a question which has, probably, been more frequently and more pensistently discussed than any other procedure in observic practice. Were it a question which had been, or could be definitely and finally settled, and the necessity for its discussion ended, this paper would not have been presented to this society.

The primary considerations of every practicing obserming in each individual case of confinement, should always be to reduce the period of labor, the amount of pain, and the danger of persunent inpury to the minimum consistent with the safety of mother and child.

This is a self-evident proposition, which I think you will all admit, and upon which, it seems to me, there is no ground for the pate. If a patiences interposition of instrumental aid will avert the evils likely to follow in the train of a long and tedious later, is if, with adulty, it will shorten the period of pain and montal anxiety of the mother, is it not our duty as physicians and bimanitarizes to avail ourselves of such and at every favorable opportunity?

For the more convenient consideration of our subject, we may divide labors into two classes, vm.: normal and abnormal. Under the head of normal labor, we may class all cases which, from the conveniencement to the end, progress in a matural manner, and without interruption, to a natural and favorable termination. Under the head of abnormal labor, may be classed all these cases which, from any cone, are delayed, and prevented from a matricians progress to a termination favorable to both mother and child, and by "favorable termination," I especially mean, a like child, so too test perinsum, and a not untially exhausted mother.

Normal fator school requires assistance, but may with solve by left to affect its own delivery. Aftermal labor, while in the majority of cases bernimating unabled, and without serious injury to either mother or child, often does so after a needless prolongation of maternal suffering an avoidable increase of risk to the life of the child, or with every bour's delay an added amount of danger of injury to the soft parts of the mother. It is to the avoidance of this needless suffering, and these possible dangers, that we shall direct our attention.

Authoration are much at variance upon the question of their frequent use, and probably every one with an extended obstetric experience, assess up later discovers that the only authority upon which he can rely, with any degree of confidence, is his own judgment and his own caparismen. Formulating thus to myself a belief founded on my own judgment and experience, I am continced that whenever had results of any kind tollow the use of the forceps, such results are due, not to the simple use of the forceps, but to their unitelliful use, or to some combination of commistances which result have produced the same or troop results unlook their and.

Landis, in his admirable little work, entacled "How to use the directs," says: "They are not simply a pair of tongs, to be applied — somebow — to the right, and policy upon — somebow — mill it is dragged out, but a carefully devised instrument, intended to be used in a definite manner, and when ment with care and understanding, and under proper conditions, they fully justify all the energy that has ever been bestowed upon them."

Human skill and ingenisity have never devised a mechanical treats their equal for the relief of suffering and the subvation of life. These use demands—not the adverse criticians which their frequent employment receives from many of our leading practitioners,—but their praise, which should stimulate and encourage the younger members of the profession, in their more frequent and intelligent application. Nevertheless, we find men who have grown old in the practice of midwistry, men with the reputation of being more than ordinarily successful observations. arguing that became they have been commonly, or perhaps more than commonly, accorded, it is best to "let well enough alone,"

The argument is advanced by them that labor is a physiological action, said in most cases can well take care of itself, and that the frequent use of the forecast is but an added source to pure and danger to both mother and child. But the truth, as it seems to use, is that the dangers attending the intelligent use of these instruments are greatly magnified. A thorough knowledge of the relations of the anatomical parts of the points to the field head, a moderate degree of confidence in one source shifty to use them, will, with little experience, enable one to put them to frequent use, use only without any additional danger to other shift at mother, but with the more happy result of often dominishing the danger which already exists.

The hore application of the forceps impres not a surgic rimon? of danger, and should not come a single moment's print. After they are once properly in position, their withdrawn from the waging enthang the botal head, should enger at least as more part than the expelsion of the firth head above. There's ex. if any objection at all is to be made to the operation, of month renormally to make to the introduction, nor application of the melroments themselves. left to the me to which they are put, after they are applied, waartificial traction. The power of the summin e-madequals to the expulsion of the child. We supply that power, and delivery is specially accomplished, or, again the power of the woman is madequate to the expelsion of the child without probuged suffering and exhaustion. Again we supply the meeted power, and the offence and exhaustion is reduced to the outcomen. (It once upons the strongly expulsive powers of the womb are likely to routh in injuty to the women. We uply the foreign, contrain and regulate the force applied, and accomplish a sale followry. Are these propcomions unreasonable? Rightly applied and nightly used, the injury from the lorreps should be no -ov. to bust, than would have followed a natural delivery, and the security from their use should be alsolutely nothing. Wemen should never the because they are used, but often do the because they are used too lain.

It is writher my plan nor purpose to attempt any instructions regarding their proper application. Suffice it to my that the numerous rules, from the time of Chamberlan to the present, governing their may are no more to be relief upon as to have they shall be used than as to select. Circumstances depending upon the position of the head, the shape of the polyis, the stage of the labor, and the style of instrument, must govern each individual case.

My object is rather to state some of the dangers and annoyances which a timely use of the forceps will obviate, or mostly. One of the primary, and to my mind most cogent reasons for the use of the forceps, is the shortening of the time of labor, and consequent diminution of pain and exhaustion to the mother. This is often a matter of great importance, especially in a primipure of delicate physique, and nervous temperament. I am confident that in a uniporty of first cases, if a timely use of the forceps was made, we should have much less nervous shock and exhaustion, and a consequent before and quicker recovery.

But it is argued, that as a normal labor is a physiological action, it should be left to radors, if nature can in time, and analded, affect a delivery.

But there are other aspects of the question, which are often unconsidered. With our present village and city population, babits of tiving and moles of dress, have developed a race of women far different from the Creator's original. A race among whom we soldom find a perfectly boubly can set one of perfect form. Nature is, therefore, in many such instances, working at a disadrantage, and a large proportion of the labors we are called upon to strend, are far from normal and physiological once. Surrounding confitions of his have made an aid to nature medical, and suffering woman, in this, her greatest trial, peaches her hand to us for he're. In the skillful application of the obstetric forceps, that assistance may be found. In our extreme conservation, shall we stand indidferently by, and, with the means of relief within our easy reach, watness her hours of continued suffering, and the anxious solicitation of husband and friends, refusing to apply the means of relief, unless forced to do so by some danger signal, which would never have been displayed but for our "over-cautionsmoot"?

The argument that a labor should always be left to work out its town slotvery, when such a delivery is possible, seems to me fallacious, and as unreasonable as that an abscess should be left to hurtery its way out, or a broken bone to more without surgical aid. In the majority of such cases nature will offen an altimate recovery, but usually in a less favorable manner, than if assisted by surgical acteurs. So also the great majority of labors would effect

their norn delivery, the most of them do, —but many of them are after hours of suffering which might have been avoided and consequent exhaustion which would not have ensured, if an intelligent use of the forceps had been made. Therefore, of what advantage will it be to leave the case to "Nature"? In it that we may avoid the dangers of a too rapid delivery, and allow time for the maternal momes to be properly prepared? If so, I again most that delivery need be no more rapid with, than without forceps, and that when the proper time is not these instrusions has arrowd, the maternal times are always "prepared." In it that there is danger of hemorrhage? I answer that their application usually promotes atenne contraction, and that hemorrhage after a forceps delivery is rare. The truth is that at the present time we assume leave a case of labor to "Nature."

If we did, the labor would be soon and emily accomplished, there would be no incomitions, floodings, and extensition, but the woman would soon arise, cleaner herself, and in a few hours be again about her family duties. Instead of leaving the woman to "Nature," we leave her to the consequences of physical deformities and deterioration incurred by definess of Nature's laws. Therefore, I cannot see what advantage there is in leaving her to these consequences, when we have the means in our hands to effect her safe and speedy delivery.

Whenever, therefore, with a vertex presentation (provided there is no pelvic deformity), with the or dilated, or easily dilatable, the before derivate deformity), with the or dilated, or easily dilatable, the before derivate deformity is proportion to the pure, or the longer continuation of the labor may longly deeper, in any form, to either mother or child, or simply a longer continuation of suffering the time to use the forceps has arrived, unless there are some good reasons which contraindicate their use, and I believe that their use in every such case is eminently proper, to do away with the nervous excitement of the putient, and to relieve the anxiety of the friends. When, with strong parms, there is not proportionate progress in the labor, the woman herself soon notes this fact, and becomes nervous, agitated, weak, and helpless. Then it is that a suggestion from the physician, of speedy relied by the use of the forceps, is readily entertained by the patient, and when advocated by the woman herself, is rarely appeared by the friends.

Meigs states that "violent pains contraundicate the use of the foresps." So far as I can ascertain, he makes this statement

without qualification. I may be pardoned if I differ from no content an authority, for I believe rather, as before retained, that violent paints authorit a corresponding progress in the below, are no indication for their rate.

A accord point to be netical in the advocacy of the frequents on of these materiments in the decrease in the number of still turbs, and also that when the forceps are frequently resorted to, the necessity for crimitorny decrease. Dr. Reserve states that "as the forceps have lines neglected, the tim of the perforator line mercesses." This materials is fully warranted by the statistics of Churchill. (Ducke of Dublie, who used then had only in 729 rates, used the perforator cases in overy 248 cases. Unline, who used the forceps size is 617 cases, used the perforator cases in 617 cases used the perforator case in 617 cases used the perforator case in 111 cases, while Sixtoot, who used the forceps over in every 1 cases, used the perforator but case in 2,631. And Obtander, who had charge of the finitingin Lyingen-Asylum, and used the forceps over in every 21 cases, used the perforator but ones in his life.

In the Schmids Bespital, Collins used the foreign coccoin 894 cases of labor, with a firtal co-stality of 1 in 26, and a uniformal mortality of 1 in 529. Harper used them care to 26 cases, with a foral mortality of 1 in 47, and a maternal mortality of 1 in 1,400. In Collins cases, the average duration of labor was, in first labors, 38 bours, in Harper's cases, it was 16 bours.

The friends are the clobb's instruments, and in some case its ultiling, and and men fur-up the darger to the under-Without their help, many skilldren would perch, if, qualited Nature were left to office their delivery. By far the great majority of still boths (oxcluding of course those which are don't believe the sommone ensure of lattery are due to the segled to use these arterungers, and if in those long delayed labors, the forevenare finally used, as a last poster, and the woman solivered of a mill-born child, the unhappy result is usually considered as lineaux been unarredative or, what is more frequent, is surplished to the total the instruments, when in fact, had they been codier and the results attented would probably here have appropriately for the the physician, the patient, and the treeds. A still horn stalk as to next writing a mad reward for mac months of discenters, and several hours service pain. A thint and very important point in the consideration of these one, in the prevention of injury to and investiga of the soft party of the mother,

In the consideration of this point is should be borne in mind, that the majority of cases of injury to the generative organs, from partiention, occur in first labors, and in cases in which instruments. any all med. I think careful inquiry among physicians in large otasetric peactice, and also among those doing an extensive lantoms among the freeign classes, where the employment of a midwife is common, will demonstrate this statement to be a fact. I think I am not making too strong an assertion, when I say, that nearly every case of licensed periosum, nearly every resicoraginal listule, and other kindred troubles, following the partirition of pruniperas, are due to the neglect to use the forceps at the peoper time, and in the proper manner. In a somewhat extensive obstetric practice of eleven years, one resico-vagnual fisinia, and two lacerated perincums (the suly ones occurring is my practice). I have always felt might have been avaided but for the obstinate refunal of an agreement old woman to allow the use of the forceps. at the proper time.

This view of the prevention of maternal many by use of the instruments is fully sustained by Hodge, Simpson, Bentry, and Emmet, the latter of whom states that of two hundred and fifty cases of vesico vaginal fistals, but three cases were from the use of the forcers, and that these three cases were malpractice; all the remaining two hundred and forty-seven were due to profracted labor, and might have been avoided by people and timely instrumental delivery. With the forceps we have complete control of the head, being able to retard and compress it, thus proventing a laceration of the permeten, which the strong expulsive paint of loany labors often occasion. Of course laterated periarmus will sometimes occur during the most carefully conducted and skillfully managed instrumental delivories, him it may be stated as a fact beyond all controversy that may shall which may be networky delicent. method a feered of perimon, on he differed with the foreign without a historyted participation and that many children who remail be neglectedly delivered without a favorabil personne, can be delivered by the freezes will not becomise. My experience confirms my belief that were the forcess used with a majority of printperss, languaged permeans would be of exceeding rarity.

I believe it to be a duty which every physician owes to humanity to reduce pain and suffering to the minimum consistent with the safety and well-being of his patient, and I connect removes that it

makes any difference whether that pain proceeds from a felon or a toothache a peritonitis, or a labor. Buring the past fifty years medical research has been directed as much to the allertation of suffering as to the relief from danger, and rightly so. Therefore it seems to me that the first duty of the attending physician upon a woman in labor is to make her labor as painless and as rapid as is consistent with the safety and well-being of mother and child. It seems to me that he who allows his patient to struggle on for hours in distress, running the risk of exhaustion, incerated perineums, fiscalies, etc., from long-continued pressure of the head on the soft parts, is remiss in his duty, and should inquire of homself. if perchance he is not overlooking the one scential point needed. which, when he has passed over the troubled waters of active profeedenal life and perhaps left but the memory of his good deeds behind him, shall enable the women among whom he practiced to "rise up and call him blessed."

ESSAY.

MEMOIR OF DR. ELISHA NORTH.

By H. Caranoscon Borrox, Pu.D.

[Read before the New London County Medical Society, April 7, 1887.]

Elisha North was born in Goshan Conn., January 8, 1771, of Connecticus ancestry. He was a lineal descendant of John North (born 1615) who is believed to be the progenitor of all bearing the family name in the Unned States. John left England at the age. of twenty, sailing in the " Sugar and Ellen," and landing in Boston, he soon made his way with other emigrants to Harrison, where he did not linger, but settled in the beautiful valley of Parmington. This was in 1625. He purchased a house and lot on the main street of the village, and five years later married; six sons and three daughters were been to him between 1641 and 1653. In 1853 hard was entered to him in Farmington, and when the moccupied lands in the ancient town were divided according to their lists, John, with his two older sons, John and Sanuel, were among the eighty-four proprietors. He was -made free before the court" at Hartford, on May 21, 1657 (Trumbull's Public Records of the Colony of Connecticut, Hartford, 1850, p. 297). He died in 1691, aged seventy-six.

John North's fourth son, Thomas (born 1649), was one of the pioneers in the settlement of Northugton (now Avon), Coan, He was a soldier in the Indian wars, and had a soldier's great of land. In 1705 (7) he married Hannah Newell, and they had five sons and five daughters; his sixth child, Joseph (born 1693) moved from Northington to Goshou, Litchfield County, where he continued to follow the business of his ancestors—farming. Joseph married at the age of firsty one widow Martia Smoth (being her third limit

band), and they had five children. The elder, Joseph Jr., born 1716, was the father of the unbown of this sketch. Joseph, Jr., developed a talent for surgery and medicise, and though he but no regular medical education, he soppired a considerable medical pearlies. An old chronicle says. "He hornwell house and get then from Dr. Meegs," and considering the fact that there was no modeal school in the United States in his youth," this was the best substitute for systematic instruction which could be seemed. In 1774 Joseph Jr. married Lucy Cowtes of Farmington, and they had nine children. It is interesting to note that the three eblest some Rholm, Joseph, and Eithel, inherited the tasks of this wellmade physician, and followed their father's profession. Eliotia, the elded, was born in Gothen January S. 1771; he entered upon the labors and responsibilities of an active medical man at the age of exteen, when he took charge of a broken limb, which he exccooded in setting and bealing without assistance. He studied with his father, accompanying him in his long drives over the bleak hills of Litchfield County, and gained a practical experience which afterwards served him well. But he felt the used of more systematic training and larger anught into the urt of the physician, and made his war to Hartford to pursue studies under the celebrated De. Lenned Hopkins (from 1750, practiced in Harriard from 1784) until his douth in 1801). Recurring to his auties place he practiged sutil he had accumulated the necessary means to defray his expenses in another and more extended murch for higher immurthru; at that time his choice of medical schools in the United States was limited to three, the medical college of the University of Pennsylvania, Philadelphia, founded in 1765; the medical school of Columbia Cellege, New York, founded in 1761; and the medical department of Harvard College, founded in 1782. Exactly what determined him to prefer the Phindelphia school we do not know, unless by reason of its being the longest established, and on account of the calchrity of its teachers. The whools at Cambridge and New York city were much powrer, but he made the then considerable purpoy to Philadelphia. He matriculated at the University in the fall of 1723, and pursued his studies under the dis-

^{*}The strail Medical College in the Tailout States was resolutated in Philosophic in This, when Amount and Principles on power of the Table college first annihilated the degree of M.D. or 1771

thigoinhed Dr. Benjamin Rish and his able colleagues.* He did not remain long enough to obtain a hiploma; indeed, but a small part of those who studied at the motical schools in the last century secured diplomas; in the first fifteen years of the Medical School of Philadelphia, the number of graduates averaged about five and constald a year, while as many as eventy students were in attendance at one time. In the latter half of the eighteen century attendance at a medical school was recorded to but by few of those who took upon themselves the responsisiones of practitioners of medicine, and Dr. North's enterprise a in indication of the same extern of purpose which characterized him throughout life.

Memoralle, the physicians of Cornecticut had succeeded in obtaining a charger for a State Medical Association; this was in October, 1792 at Middletown. At the adjourned meeting of the convention held May 15, 1790, at Harriord, Elisha North was admitted to membership in the society. He was at this time only twenty two years old, yet was regarded as worthy of bonor.

On learning the Philadelphia Medical College, he resumed his practice in Goshes, and inconductely took a high rank in his profession. Zealous and indefitigable as a student, he was forement to ident improvements in medicine; not blindly, but after current trial of their value; he enderwared not namely to keep up with the current thought and novel unages but to exemptate to the art reforms and inventions of his own busy brain.

Som after settling in Gothen, at the age of twenty-fire, he married Hannah (December 22, 1797), the daughter of Frederick Bench, his follow townsman, of an ancient and honocubes Connecticut family. Of his happeness in demostic life we shall speak at a later period. We may anticipate, however, to nemark that his walwas a true holpmost in the highest degree.

Always eager to accompose northies in the healing art which

Surpey and Anthony Enquery and Anaxomy Fraction of Figures; Enclisive and Contain Medicine, Community.

Materia Bellia.

Skinn and Street Indoor,

Dr. William Shippers, Jr.

Dr. Cuspie Winter colpants. Dr. Admir Kolon Wr. Sentimin Basis.

Dr. France Woodlings.

Dr. Sumet P. Griffian. Lie Benjamin S. Barton.

^{*}In 17th the Family of the Marked School of the University was constituted as follows:

Kart History of Regular in Printed print, by Group W. North, M.D. Parishiphin, 1995. So. Personal and Sprint.

promised to benefit the human race Dr. North based with dought the amountement by Dr. Jenner of the counts of the experiments in vaccination. Dr. Jenner's soria: "Enquiry into the Causes and Effects of the Variots Vaccins," published in 1708, did not used in England with originalized acceptance, set but a first mouths later the young practitioner of Goshen is found experimenting with the new process in a scientific spiral which challenges our admiration.

One of the first near in America to proclaim his confidence in the statements of Dr. Jenner was Dr. Benjamin Waterlanes, Professor of Medicine in Harmard College. In July, 1808, he procused vaccine matter from England, and holdly tested who experiment in the persons of four of his own children, the eldest being seven years of ago, who thus became the drst subjects of vaccination in the United States, "# and being afterwards exposed to small-pox in fection as the hospital of Dr. Aspinwall they proved to be unusceptible of its influence,"—(Dr. James Thurber's Am. Med. Noyespale, Boston, 1828.)

In September of the same year, De James Jackson of Boston, restorning from London, where he had studied under Dr. Woodville, practicest vaccination in Boston and vicinity. Before the close of the year, Klisha North was pursuing his own investigations. He himself describes the first steps as follows:

"A few weeks only before vaccination was begun in timbers. Dr. Waler-brane of Baston, but received exceller matter from England. I work my first exceller finit warm and first from a person in New Haben, who was visited for such a person. The distance was nearly fifty raths. This patient had been vaccinated six or seven days before. There was a complete failure very soon afterwards in the basisms of vaccination in New Haven. As soon as I united finus I was lasted three parients, two of whom were children. The children went through the regular person of vaccination, but the virus haled to infect the aftair. Those shiften were introducing put to the usual test of varieties inoculation. The varieties occasioned very small effects which soon disappeared."

[&]quot;Assuming to Mr. Schoop E. Morse, the first four persons accumated in America wave a momber of the family of DV. Waterboure, the Ber. Dv. Jestidish Morse, Hisland C. Morse his non-and Schoop E. Morse, monett. Lift of Joseph Million, D. D., Sp. Win. H. Sprager. See York, 197, pp. 22-22. D is personal that Mr. Morse supp for Witterboure terronal of the newslor of the family"; Dr. Thursdon supp. "Jose of the children." Dr. Scottle supp. "the of the children."

Care to be incommon upo Principle in the Assume of per- in- July States Common experimental or his me, Dormstor or 1911, in 1911 Med. States. (V. me, 195).

And then be adds with great candor and modesty:

"I was undoubtedly more indebted to choose than to skill for my good furture in those experiments, for as was afterwards burned, nothing was known on this side the Atlantic with regard to the properties for taking excite strue."

Some months hard to addressed a letter to Dr. Waterhouse, stating the difficulties which had attended vargination in his vicinity, and the Boston physician replied he had experienced similar perplexity. But a few days later to scrott that he had just received a letter from Dr. Jonner communicating the following polden rule in vaccination: "Take the fluid for succination or or before the expiration of the eighth day." Of this rule Dr. North, thirty years later, remarks: "This is now known to every tyre in the medical psychologic, but none can realize its value but those who have experienced the evils occasioned by the want of such information." And it was with this in remembrance that he attributed his first success to chance rather than skill.

The "business of valernation" as Dr. North sails it was externively carried on in Gothen in the winter of 1806-11, by himself, and by Dr. Jose Carrington, of whom he considly says: "He was my rival in business." Dv. Carrington was, however, not so fortunate, and mot with a calamity at the outset; he had percured some virus from a traveling person pleagnated in Dr. North's blant language as a lose peobler) with which he vaccinaned his wife, and others. After Mrs. Carrington got through with what her husband supposed was the kine pock, he persuaded her to have rarielous induction put into her arm. The unformarate and believing wife was easily made to understand the object in view, namely, to convince an incredulous public of the utility of the new amorice; but to the great disappointment and chargin of Dr. Carrington his wife broke out with the germine small pas, and she had to be removed in accordance with the law to a lospital in Cornwall, ton miles distant. Of this incolour, Dr. North mys. "This estamity and the two experiments I had previously made, wore very beneficial to all within their answirings."

Both these Goshese physicians made a vast number of experiments, some with genuine vaccine (stoph, and arms with such as proved to be spurious, and also with raviolous infection, but no disaster similar to that related again occurred. By degrees they

acquered known type for the discrimination of generic and approximately. During the winter many persons were weccasted buff a dozen times before the desired effect would be printed. A treatile and versions more which, any Dr. North, was "track greater than in future will probably over again occur."

Bonds the perplexity occurrent by agromate, these early inresignious had to encounter a bost of other vexations occurrend by the projudiess of those around both in and out of the medical profusion.

We again quote Dr. North at length:

"In the spring of the year 1800 flares was an pressure vaccine matter this sale of the Atlanta, except in Gorben, and in the hands of Dy Water-house or others in his vicinity. During the winter of 1800-bit there was a complete failure in the cities of New York and Philadelphia. In obtaining greaters vaccine views. This circumstance embfod are to interstant the line pack for the first time into the City of New York. This was done in April, 1801, by the agency of a Mr. Hunt. Mr. Hunt visited New York on his own business while he had the bine pack in his non, and that, too, in the right stage for taking matter. Mr. Hunt at my request palled on Dr. Edward Miller, who received reflers from his arm. I vaccinated Mr. Hunt from the arm of a little glet. This girl was vaccinated by time taken in a fluid state from the hard of a Mr. Free; the persons on his function had been derived directly from the utility of a cow, by inflaing. Thus the first pointine him peck that was ever introduced into the City of New York originated from an American source.

So far Dr. North's own words. The writer of this sketch has in his possession the original letter of Dr. Edward Miller thinkring Dr. North for sending him vaccine nutter; the following is a transcription of the letter:

(Copy)

New York, 20th April 1801.

Siz.—It have received by the favor of Mr. Lymns, the letter and enclosures which you have abligingly transmitted to use. Your apparent and practice in respect to now you mean to have been furned in the past, policieus and accurate manner; and I cannot but congratifate the distract of country which rester up the sphere of your professional laters on the discovariest and about your display in the introduction and encourage term of each a means (for it searcely descrives to be called a disease) of provening and externalization one of the most territic distances when not minimated by inoculation that ever affected the intent meet.

The discovery of cor-pox must unfoubtedly be exemised by all most lights and reflecting persons as one of the most interesting discoveries which distinguish the present inquisiting and calightened period. Our failure in the propagation of now per in this sity was solely owing to the appriculation of the matter employed — a runquinitation which seems often to have happened in different parts of librate till physicians because experimentally well terred in the peculiar appearances of the genuine disease. Such commences, however, will probably become less frequent as soon as the community and especially medical persons are thereughly apprical of the sources of fallacy and of the necessity of giving street attention to all the eccumulances of discrimination. I think your publications very properly adapted to guard against the ministers in cidental to this new practice.

I am greatly obliged to you for the kindness of sending some of the raccine matter. I shall employ it without delay, and if it double fall to communicate the disease, shall take the liberty of requesting a further supply with a view to another trial.

Wishing you revery degree of success in your mentionous currients to extend the methalicus of this discovery, and to improve the condition of the means of medicine, I request you to memp my unaccessed of the ment perfect respects and extensi

EDWARD MILLER.

The Egrena Neurre, Gorber, Coun-

Dr. Edward Miller was one of the prominent physiciam of New York city, an editor (with Dr. S. L. Milebell) of the Malson/ Reprovers, and a man of large practice.

In the above letter Dr. Miller refers to the "failure" in New York city to introduce exactnation. Dr. James Thurber, the beographer, was in this connection:

Dr. Miller of New York received succine matter from Dr. Pinraon of London, which haird however to produce the genuine disease, nor was suntier supply sent on from Beston attended with homes success." (Am. Mod. Bogr., L 05.")

Dr. Thacher says nothing of Dr. North's participation in the uniter, probably because the facts had not yet been published at the time he (Dr. Thacher) wrote: In January, 1802, a "Cow-pox-institution" was established in New York city. The circumstances occurred with the man free are los important to be passed by. Dr. North thus parrates them:

In May, 1981, a groung man by the notic of Ives came to consult the as a physician. He said to had chilly beadsube, and fover; also a swelling taster his arm and a more or his hand, this sere upon examination I brazil to be the cow pass portate. Epon inquiry I become completely satisfied that this passals was predicted from infection derived directly from the other of a caw, by making. Being phased with this flavorery.

^{*}New Link | Abel. St. postery, Vol. IV, pp. 78, 974, 911 July | 1982, 1

in the same year, almost the very mouth that Dr. North was making these observations, Dr. Edward Miller wrote in the Modcut Repository.

"We hope our readers in the United States will endourn to asserting whether the vaccine disease is to be found among the cows of this country, and if so they will employ infection derived from a domestic, in preference to a focusy scatter," (Mod. Repost., IV, 822, 1801.)

How Dr. North anticipated this suggestion has been stated.

Nearly forty years after Dr. North had thus established the identity of cow-pax and small-pax, the discovery was claimed for Dr. Cocley of Aylesbury, England. In an article which appeared in the Medico-Chiracpical Review, the following passage occurs:

"What many gentlemen in this country failed is accomplish, we are lappy to my last been at length achieved by one of the members of our association. Mr. Corley of Aylesbury. He remixed to attempt to according whether he could by insculation imprograms the row with luminal small-pex. Twice he has succeeded in accomplishing this important object after many previous fruitless trials. His experiments were our-ducted in the presence of the medical men and one enterinary surgicos. He produced free vesicies on the cows, from which source several herefred patients have been varefunded, who have exhibited all the phenomena of varefundion in the most perfect form and complete degree."

The publication of this caused a contributor to the New Leading Advances and Republicas (Fobruary 3, 1841) to take up the end-gate in behalf of "our venerable and respected follow citizen. Dr. Elisha North," which he did by republishing the account of Mr. Iven raw just quoted:

I have before me, as I write, a small piece of paper, yether with age, on which is written in Dr. North's peculiar set legible hands

"An extract from a discussion had in the Cherase Genetic (S. C.), and in the Propins' Associate, New London: "Dir Jenuer discovered the unitiy of vectoration, while it must in fasture to compositionably admitted that the conditional investigations of Drs. North and Corley in England have established the identity of the vectors prophytactic with the enall-pen."

The old manuscript ends here. Obviously Dr. North had

copied the extract to flattering to his amour proper, with a view to proservation.

The great opposition which the introduction of macrimation met at the bunds of common people is a familiar topic, yet we believe new light may be thrown upon its extravagant character by quoting a few passages of De. North's assentive: He says:

"The shadingest or apposition run so high and was to very unuscounble that to get rid of the convincing schlence. I was myself, in particular, actually approach if using an design bad small-pox matter. To alleans such stander, I begged as a favor that fire of my raccinated policies would visit with one a mention biospini at Winchester, eight raths distant, and there be inscalated with warm variations salreften, and likewise see the small-pox for the metrics; for many, among other order time, marrialized that the kine park was a worse mutaty than the small pox. This list experiment was actually tried and succeeded, and it was acknowledged to be a fair one."

"Another trouble arose in the progress of this besiness. After we had surcooled with truth later and expense in establishing the utility of succination, too many thought that they could receivable themselves after they had learned how from us, and such persons destricts throught it was perfectly a hair game to defraud their teachers of the pitiful free which were

expected,"

Dr. North states that he succeeded in driving the small-pox from the adjoining town of Comwall, but nother he nor Dr. Carringson "made the business of vaccination prefrable netwitherarding their great attention." An interesting advertisement of Dr. North in the Consected Corner of 1811, will be found in the appendix (D).

Dr. North published his comments on the remerches of Dr. Waterhouse as set forth in the latter's pumplife pristed in 1862. Dr. North remarks that he thought it his "duty to exhibit much demonstrative evidence with respect to the utility of executation," and contrasts his own method of investigation with that of Dr. Waterhouse to the prejudice of the latter. Dr. North admire (in 1823), the imperfection of physicians' knowledge of the management of vaccination, and makes the pertinent inquiry. "It is not expedient in the present state of our knowledge to have recourse to the cow for vaccine virus as often as may be practicable?"

A question obviously prophetic of these days when "raceino farms" are recognized outifulious auxiliary to the practice of vaccination.

In the spring of 1806 a suffigurate thouse broke out in Masses churcus, which haffed the physicians, even became epidemic; and persod a terrible seourge. It was first noticed by firs. Hundelson. and Mann of Medfield, Mass, in March. The fever was assumpanied by a characteristic susse'sted symption which can-il it to receive the popular same "Spotted Fesse" Dr. Miner called in pyshus tracepolis. Dr. North called it egyles prochadis. This sixnase rawaged New England at various periods from 1816 all! 1816. It first appeared in Connecticut in April 10, 1807, at Winchester, Litzhdold County, about eight piles from Dr. North's home. Writing of the disease he says: " A disorder has come among us ike a flood of mighty waters bringing along with it all the horrors of a most droutful plague. The hotory of typhus and its symptime, as well as the methods of treatment are well known; for a son medical must to venture on this ground would be a dangurous experiment, all we desire to its is to show the part which Dr. Elisha North took in eneeking this malady, and informing the public of In experience and mecesses. When the disease broke out in Windester, sweating and bleeding of patients was resorted to Dr. North at the very outset came to the conclusion that - Doub was not occasioned by Violence of fever, inflammation, or patrelietion of the system but by an unaccountable, sudden, and violent prostration of the energy of the brain and nervous system? (Spilled Fever, p. 95). Accordingly, he adopted a method of bruinsent appoints to that in vogue, "stimulating to the fallest extent," and using streme, brande, option, campbor, Perucian bark. expensions oil of propermint, castor, elixir vitriol, blisters, and singuisms." In his treatise on special fewer Dr. North deverse an eating chapter to the "Quantity of examinate to be used," admitring that in some of the cases seported the quantity given was "energing," Enowhere he writes.

"I am decidedly of the opinion this discourage; in observing remoders that it is every one policite avail take branch by quarts, or wise by gallons, for I believe that it requires as much judgment in using stimulants as indoes in reducing the system "(Letter to Dr. Elijah Morney, — Phy), Mod. Manusco

During the winter of 1107-8 Dr. North prescribed for unty-five patients suffering with the fliness, of these he had but one, the second putting to whom he was called (Spotted Pever, p. 19). In Wischester when the disease first appeared about one-third died (page 121).

Many physicians adopted the plan of using stimulants, some independently, and others in consequence of the publication of Dr. North. Between 1807 and 1810 spotted fever prevailed to an alarming extent in Hartford, Farmington, Weibersholl, Borlin, Bristol, Burlington, Canten. Similarry, Terringford, Windowser, New Hartford, and Gurban, and the popular excitament concerning it found untermices in the columns of the mesupapers of the day. Mr. Babesck, editor of the American Mercury (Hartford), was very emphasic in his complaint of physicians with respect to this plague.

The Reverent Dr. Ebensoer Fitch, President of Williams Col. logs, was becarred of his oldest son, "a promping and hopefully pions youth" on the morning of Conviencement Day, 1867. This affliction stimulated Dr. Fitch to publish in the Barkstone Reports. of Pittefield, a letter with two communications, one from Dr. Klinka. North of Goston, and one from Dr. Klein Lyman of Torrington, "I'm very respectable physicians" whom he had addressed with inquires. This, in the earliest publication of Dr. North on spotted fever, bears the date February 12, 1888. It is reprinted in Dr. North's irentise (pures 57 to 192), and has been quoted above. A. year later Dr. North published in the Philadelphia Motout Muone. another letter addressed to Dr. Elijah Mumon, a prominent physician of New Hayes. It is worthy of remark that look the publications were in answer to impairtee made by persons addressed and by request, facts bearing testimosy to the anobressive and eather retining character of their author.

In the second inter named, dated Polymery 12, 1809, Dr. North calls the disease. Typhus peterbially or the unlignor Peterbial or Spotted Fever. describes the symptoms and his method of treatment, which is mintimially as given. Our year later Dr. Timothy Ball of East. Hartford rend a paper (April 10, 1810) before the Connection Medical Society on spotted from, in which, after detailing his experience, to adopts the vorces of Dr. North, and says:

[&]quot;Dr. North's method of practice consules many with my own ideas of the proper method of treating this disease than anything I have seen written on the subject." (Reprint of the proceedings of the Connectical Medical Society from 1785 to 1820 inclusive [Hambed, 1884]).

The disease continued to operad and to cause great mortality.

At a meeting of the Councillors of the Massachusetts Medical Society held February 7, 1819, it was

Vorsit. That a committee he appointed to collect information respecting the biscory and measure of a unalignment discuss commonly called sported ferror, which is now prevailing in the country of Wercenter, and has prevalled, within five years past in Harricot, Conn., and Providence, R. 1., and report at the next meeting of the society or connections.

The interest of medical men in this epidemic is further shown by frequent contributions to both the secular press and to medical journals.

Dr. Samuel Woodward of Torringford, the Rev. Festus Foster, Dr. Bester, Dr. Fisks, Dr. Williamson, besides those previously named, took prominent parts in this public discussion. These diverse contributions Dr. North collected, and together with his own slimcal observations and views, published in a diodecimo volume to which we have already alleded. It bears the date 1811, and was printed in New York by T. and F. Swords, printers to the Faculty of Columbia College (for full title see Appendix). In the purface the author states that he has undertaken - to preserve and bring into one view those things which have already been published," in hopes of aiding the medical fraternity; and he adds: "This work was not written for atousement but for utility; the author had a double purpose to accomplish, not only to exhibit the truth respecting the nature and treatment of this disease, but also to produce evidence of this truth." Accordingly, he appends descriptions of many cases.

Dr. North's writings are characterized by great candor, some night say blantiess; he sid not shrink from calling a spade a spade, and some persons evidently but aggreered, as the following shows. Thirty-five or forty years after the treatise on spotted fever was published, Dr. North planned a second edition; the well worn copy which he used for the purpose is now in my hands; it bears his MS, notes on many pages, and contains more than sixty slips of paper on which are written the proposed changes and additions for the second edition which nover saw the light. On one of these slips, in connection with the preface just quoted, we pend: "A bipoted pressur has told use that this profine was extremely faulty; if it be so my brain is so organized that I mannot perceive it."

We shall not undertake to give an analysis of Dr. North's work,

which, though rure, can be found in certain medical libraries. Another quotation from his unpublished notes may be given, since it shows again his dry and candid expression of options. In the chapter eight + Of Submission Hydrargert," he speaks strongly against the use of unrearry, and dwells us its perections effects on the constitution. The second edition, had it been published, would have contained the following addition to this chapter.

"A physician unit to me years ago that I ought to be advanced at what I published in the first critism of this work in regard to mercury. With the permission of persons whose heads may be organized somewhat like that person alluded to, I will now state that during more than ferty years practice I have known the organization of so many persons so permanently injured by the above of that highly fashiously's medicine that I think now, as I did then, that causions in regard to it are highly proper."

In this chapter be also says: "I have myself treated not less than two hundred patients with this disease (spotted fevery: of those I have lost two. I have never given caloniel except to three of the whole number" (Spotted Fever, p. 57).

Dr. North's treatise was favorably received by the medical fraternity. The editors of the Mahoul Republicy highly approved the work, as did the editors of the Non-Yiel Medical Journal.

The editors of the American Medical and Philosophical Register (New York), in reviewing the Irentine say:

"This is a very respectable work, and by far the largest that has yet here published on the spotted fever. The number appears to have been very different is collecting his materials, has symbol considerable discrimination in the selection, and has put togethern body of information which, independent of its present usefulness, well deserves a place as a permanual book of reference. But to the ments of a judicious compiler, Do. North justry lays claim to the character of an original observer, and the facts and observations which he binned has related of this discuss, which still prevails is different parts of the Eastern States, are among the most valuable portions of his inneresting book." (American Molecul and Philosophical Review, Vot II, page 448. See Aire in Connection Greene, Aug. 16, 1812.)

Dr. North had now control the age of forty-late, and his reputation for skill is eargery and judgment in medical art extended over the whole State of Communicat. Simple and anodentations in his manners and tabute, he never sought adfably his own aggreedimenent; but his worth was approximated and cannot him to be widely resorted to for surgical practice. Early in the year 1812 there came to him an invitation to restate to the city of New London, then an important port and a center of the whate takery. The temptation to exchange the rigorous elimate of Lindshield Contry for the more congenial one of the count, to exchange the hardships of a country physician's life for the amenities of city practice, as well as the opportunities of more frequent and quicker communication with the outside world, and the attentions which would accuse to his growing family now comprising six members, were some of the weighty reasons which decided him to seek a new house.

He moved with his family to New London, May 8, 1812, and soon secured the estern of his new circle of acquentances. A contemporary writer, speaking of the career as a physician in New London, says:

The the practice of his profession, Dr. North exhibited a remarkable degree of quarton, distocration, and pareful reflection. When concerned with the health and comfort and we may add, the moral wallars of his patients or friends, are exercised a consentation care and thoughtfulness that preserved him been among exhibitions or dangerous and extremely as a committing physician be unjugged the confidence and friendship of his brethree, and was much valued for his philosophical habits of solution or difficulty and uncertainty.

Soon after his estiment in New London, the second war with Great Britain broke out, sortenedy disturbing the prospectly of the scaleard cry. A British flow controlled the extrance to the Sound, and a patty warfare on the water and on the count kept the inhabitance on the short and fearful of distance. Yet educing the whole was not a usus was killed by the enemy in Connecticut, and only tee in its waters upon the count." (Miss Caulkins' History by New London, p. 634.) During this bloodless war the garrisons of Forte Trumball and Griewold required the attentions of a medical man and Dr. North was called into this service.*

At the only period of which we write, medical etiquette allowed much greater freedom in advertisements in the local press than the present vigorous mage. In examining as imperfect file of the Connecting Greate, preserved in the moons of the New London County Historical Society, we have found several interesting

[&]quot;Probably in the reductor version outs, for the Adjanuar-General of the string actions the motor date of March 4, 2001, that "the name Kirch Sorth does not appear on the research of the C. S. A., Size of 1001, one committee confidence to indicated page."

advertisaments showing their prevalence. These we relegate to the Appendix. In the long advertisament of April, 1819, Dr. North priors has services as a surgeon in certain special mass named, and then followed this endonoment:

"We the subscribers being personal friends and modical bretters, conding in the same town with Dr. North, bulkers the publication of the above will probably benefit society."

[Signed] THOS. CONT. M. D.,
ARCHITECTO MERCER.
D. T. HEATVAUD,
N. S. PERKESS.

When one physician can thus secure the public endowement of his four rivals, it indicates a state of barmony hardly credible in these degenerate days.

At the first meeting of the New Lendon County Medical Society, held after Dr. North's remotal to the city, he was almitted to membership (September 22, 1812)) and he appears to have taken an active part in the work of the society during many years. The served as clerk in 1815, as chairman in 1823 and in 1831. He was frequently elected as delegate to the State Association, and was thrive appointed to read papers before the County Society (1814, 1829, 1834). For the last twelve years of his connection with the society the honor of being -over sixty years "cosmposihim from sizes, is accordance with the rules.

Dr. North had joured the Medical Society of Litchhold County in 1811 (September 24th)

Up to the date of his learning Gorben, Rishs North, though doubtless ergised. Boctor" by his friends and sequaintances, had not received the medical degree. On the title page of his work in spotted fover he does not affix any title to his name. Of his medical advention we have written, of his qualifications for a diploma there could be no question, and therefore it is not surprising to find that the State Medical Association, at the meeting held is New Haven, October 20, 1813, voted to confer on him the houstary degree of M.D. Dr. North's name appears in this same year as a member of the Examining Committee of New Landon County. Between the years 1813 and 1821 he was almost continuously sent as a delegate to the annual meetings of the State sensory; in 1816 he was appointed on the committee to recom-

need enitable candidates for a degree of M.D. He apparently beld no other office in the State society.

Dr. North's reputation as a successful practitioner rests on his skill as a surgeon as well as in the art of healing. In New London he paid especial attention to measure of the eye and met with great success, exhibiting good judgment, courage, and delicacy of operation. Writing of himself he says:

"I have had the pleasure to powerst total blindness and review eight to twoire at thirteen persons during the last three years. These would now probably be mooning about in total charkness and be a burden to society and to themselves, and it not been for my individual excetions." (See adversament in Appendix.)

His encess as an oculast led him in the spring of 1817 to open an eye inferrary in New London, which was without question the first institution exclusively devoted to typ surgery in the United States. Of this he writes:

"We had attended to eye paterate before that time, but it occurred to us then, that we might multiply our another of come of that description, and thereby increase our knowledge. By advertising the public in regard to an eye histinition. This was done, and we encreased although too to our winter in a permitty view of the case. Our faccess or therefore probably hadrand in this country the condendament of larger and before eye information." (Science of Lab., pp. 88-90.)

Dr. North's allusion to his ill success permintily runinds us of another passage in which he writes:

"Judging from the lowness of medical forcin Communicat, can would suppose that property regarded as a means of health, was held by the community in higher estimation than health itself."

We may bere mention that his skill in deficate operations was partiage augmented by his belitandedness, which was marked seed perceival. The lack of discrimination in treatment of ophthalms at this period is illustrated by an anerdote related at the expense of one of his contemporaries. A man came to Dr. North's influency suffering with an influenced upo, after careful examination the Discree removed some foreign substance like a bit of charced, which had counce) the trritation, and prescribing a southing below dominated him. But before the man left the Doctor enoughly inquired "what have you been doing for your eye?" The man said he had been to Dr. Blank. "Ah!" said Dr. North, "and what did he do for you?" "He gave me," said the sufortunate may, "thirteen doses of culossal?"

Few persons are now living who were contemporary with Dr. North; many of those still surriving testify with sincerity to his skill as a surgeon. Proofs of this in inflicidual cases are wanting, but he has left in print descriptions of some of his ingenious improvements in methods of operating. He devised a novel method of performing the operation of lithotomy which need not here be detailed. (See Ekhliography in Appendix.) He invented an improved trephine and a specifical could, both of which he sublitted at a meeting of the State Medical Association in Hartford, in 1821 (May 9th). He also invented a tracar and a new form of catheter, which latter is publicly enforced by his contemporares and fellow ritinens. Drs. Coll. Mercer, Brainard, and Perkins. This was in 1829. (Science of Life, page 201.)

About the year 1824 Dr. North, convinced of the advantages of life on a farm, purchased a small property in East Lyme and removed there with his family, driving into the city for his medical practice. On this farm he found a deposit of year and he made many experiments with it as a find. One of Dr. North's marked characteristics was his babit of orizing upon neglected phonousna. or novel views, adjusting them to existing circumstances, discussing them in a philosophical manner, and then undervoring to adapt them to philarthropic uses; in short, he rade his hobbits and sought to induce his friends to make them their own. Accordingly peat became for the time being his holiby; he had it dug, drief, and sem into town for sale, but probably never gained much permissy advantage from his illy-appropriated enterprise. The results of his philosophic study he embedied in an article on "Fire!" which was published in the American Journal of Science, Prof. Siliman, in a note to this article, says that while he cannot regard Dr. North's views as tenable, "all will agree that he is performing an important service by attempting to excite the attention of his countrymen to this neglected but valuable resource, the more valuable because it is so extensively diffused and so easily. acceptable."

Three desirous of hearning same of Dr. North's claims and hopes for post as fuel are referred to the original seticle, which will well repay person. (See Eddingraphy). A few years later he withdrew from the farm and took up his residence in Huntington street. New London.

In 1829 Dr. North published in the Conservat Gozen and in other papers several essays under the title: "The Eights of Anatomists vindicated," and agned Fession. These senses were integrated by a law passed by the Connecticut Legislature in 1824, relative to the exhausation of bodies for the purpose of dissection, which has converted the slight offense of trespass into the heiners one of felony," and placed anatomists in a very difficult position. These letters are written in an argumentative, lively style, absending in historical allusions, and with great freedom in expressing the nullier's tiers; who sought to incince statemen to needily the law, and at the same time to lessen in the public mind the horror excited by the surgeon's experiments. His remarks on the status of the State Medical Society and its relations to Yale College are of especial interest to the instortan of medical progress in Connecticut.

In the same year Dr. North published a volume of 100 pages entitled. "Outlines of the Science of Life, which treats physiclogically of both Body and Mind." of To which are added Essays on other subjects," This work gives an interesting insight into the philosophical mind of its nation, and in the subjoined convertuncibus unabancalle nome from which have been already used in perparing this mounts. Dr. North attempts to show that there is in both uniteals and plants a - sentless sporit formed by salurie either from the blood or from the mp, "that every son of life is dependent upon such a spirit either in an active or a torpid state; that mind as well as the other functions of life is dependent upon this spirit when it is animal, and that no unknown spirit or immaterial necessity is needed to account for any of the phenomena of withinty." This somewhat materialistic competion is, however, modified by his admitting the immertality of this sentient spirit. He maintains that this spirit originates directly from the blood, and that it is the halities of the blood, or steelements. And while he regards animals and man alike in respect to this general animal spirit, yet he does not deny the power of God to "make the human soul immortal agreeably to the Christian's fault and hope" (p. 27). He is conscious of the novely of his views, and before publishing secured from nine physicians (out of ten who examined his MR.) written continuates

favoring the publication. He prime is the belief that "more good than evel will result" from it, and says "little anotherent is expected from it: the writing has increased our power as a power out physician, whether it will benefit readers, time must decide."

His work shows a wide acquaintance with the current English Hierature on physiology, with a possibletion for the writings of Darwin; it absents in aliastrations from experience and the tentimenty of others; its philosophical spirit cannot be questioned, although in the light of modern discovery his consistence seem nationals. His style is rather regulations and amusingly discursive, questions being often introduced from Pope, his famintative, questions being often introduced from Pope, his famintative epigrammatic, and a quaint humor rises throughout the work. A few quotations may well be made, as the book is decidedly scarce.

He speaks of metaphysicians as "carrious men who sit at their case in ethors chairs, for want of something better to do combenplating and arranging the nuccements of their own brains only into systems of mental philosophy, without interrogating nature abroad as much as they should do" (p. 68).

Beforeing to social relations, in writer — Among mankind, the new in private life present to govern the women and children, but both the latter often rule the former, and often to the injury of society * (p. 21).

Speaking of the appetites, he mays: "The streamch like a wife, has more power at house than any other begon in the whole family" (p. 52).

The "Sensors of Life" is followed by six except reprinted in part from the originals which we have noticed observers. The most interesting is a "History of Varrinston as provided in Grahen, Connecticat," a subject we have fully discussed.

Dr. North was food of recording studies, and at times made them holdsies. The cost of Dr. Sparatoria to the Dribot States in 1922 awakened an interes throughout the county in phrenology, and Or. North dat not seempe the epidemic. He had read not absorbed, though even before this event, the theories of Gall and Sparaterian, and became quite facinated with them. He published several essays in the beed paper (Countries George), and a small volume treating the possible title. Prigness in Phrenoogy by Unich Yoby. In this work "good instruction a given is the mode of a pleasant conversation in a mixed company of gentlemen and ladies, or to pilgrims in the solonce." The seese is had in the town of "Christian Charity," and the conversation is carried on herween. Mr. Judicious Discretion, Mr. Phremingist, Mr. Jesboury, Nim Talkativeness, and Mr. Objector." He claims that phremology by no means implies materialism and fatalism, and that it is charitable towards all religious. His system of classifying the mental organs differs somewhat from that of Gall and Spursheim. His dry humor again appears in his writings he says:

"Mankind are band of wanderfulness; it is not, however, always meanmay to have a hig head to command public attention, or some untenably brack; not that I seport have a small head," (p. 48.)

Although by North read and wrote much on topics not immediately connected with his profession, he never neglected his duty towards his fellowmen when called to their aid. He seemed to find recreation is mental exercise inconnected with his humans. When Asiatic cholera raged in New London in 1832, he made himself complexions by skillfully resulting the destroyer.

Besides the articles rited, Dr. North contributed to the current medical periodicals a number of essays on a variety of topics. So far as we have been able to discover them, they are catalogued in the accompanying bibliography.

Dr. North was exceedingly happy in his family 166; his wifewas a woman of much character and had the lest lefteness over him, his eight children grew to manhood and womanhood, eahlb iting many of the admirable traits of observer inherited from both parents. The very names given to three of his boys shows the poculiar best of his mind; the cidest was named after Harvey. the fluctions discoverer of the circulation of the blood; two others were named after Erminus Darwin, and William Heterology. the distaggished Englishmen of science. Three of his sons had the enterprise to found commercial houses in New Orlows, where by industry and unfailing unsegrity they assembly secured a conpesence; one of his sens studied medicine, but preferred private study and teaching to the cares of professional life. graduates of twenty-five classes (1810-1851) remember "Lord North 'as the pathetaking and successful instructor in elocation in that institution. One of his daughters became the wife of the

eminent martys to seimos, Dr. Elisha Mitchell, Geologist of North Carolina, and Professor of Chemistry in the University of that State; one married a prominent dergyman of Seath Carolina, and another daughter married a stoccostal physician of New York city.

One of his children used to recate an ascenate shawing his calmness and mild paternal government; when quite young she awallowed a pin and, greatly startest, approached her stem father with the corited sty." I've awallowed a pin!" Dr. North looked up from his book and quietly said: "Well does it burt you?" "No, father," replied the child. "Then don't be so carefeed again!" And this was the end of the consultation.

Being rather careless about keeping his backs, making and collecting bills, his good selfe used to supervise this important busness for family reasons; but in spine of her care, an examination of his ledges after his decrease showed this carious super-

"Mr. Blank, to doctoring you till you died, \$17.50."

Interesting proof of his ill spoons in collecting bills has been lendly placed in my possession by a member of the New London County Medical Society, in the shape of an inrecepted tell for \$23.95 against the selectmen of the town of Groton, and dated May 23, 1829.

It is related of him that on one occasion he was called upon to treat the fout of a young girl who was feelishly delicate about expusing hir asked foot to the physician's gaze. Perceiving her false modesty, as she healtated to remove her stocking, he said: "Come, Miss Blank, if your foot is clean, let me see "1". Her scruptes vanished.

Dr. North was exceedingly absentininded, and this increased with advancing years; devoted to study be sat reading or writing occasingly oblivious of externals, and not nettering persons extering to leaving the roots unless they addressed him, when with native coursesy he gave those his attention. The only infinity which attacked him in his latter years was desferse, and this instandly increased his concentrativeness. His methodical habits, laye of photosophical truth and his singular absential relations are exhibited in an attended concentral phin. A slight fire having broken out in the house while he was in the street near by, a neighbor called out to him. Thostor, your house is on fire? He made no reply

bug quietly walked into the hour. Seeing him so cool a hystatoley asked his neighbor and intimate friend Judge Lyman. "What do you suppose the Doctor is going to do?" "Doubtless, answered the pulge, "In writ consult Court Reinford's works to accreting the last means for extinguishing lim!"

Dr. North level to the good age of screenly-three, his later years being passed in comfort and in complete anjoyment of his activity and confolices; perfect health rewarded his philosophically temposate whits of life. The last act of his life before he was deprived by passives of speech and locomotion, was to wild an interesting and important case of disease, and the last connected sentence which he succeeded in attenting was addressed to the physician who took his place in attenting the patient.

A memoraribum is in personates of the upter learning the date of his death, December 29, 1843, giving the following particulars: "Bright five feet nine meles, so oval and intellectual head with a periphery of twenty-two and six asystem inches, monal line lifteen and one-fourth inches, temperaturest servo megains, age account three."

One who knew him will wrose of him thus:

"Dr. North was meringuished by wall for his patients and the highest degree of integrity, frankness, and distributedness, in his unknowness with them, and his efforts for their hearful. His interest in his profession, as a branch of scheme and so women of benefiting society and individuals was strong and excused, and whonever circumstances required took the precedence of all ittler surjects yet his mind being increasely active, was generally corrupted when at belong from the cares and calls of a physician's life with some favorite adirpost anotomicstol with the more practical parts of his profession, in expressing his views upon which, he Sould extribut an elegence and an amount of Information often untwinkingly beyond the importance of the bapie, in the estimation of many His ever notice mind duch in a remarkable manner in an anymoldly options of thought and reflection. He lived the life which we attenue to as malent philosopher; unseconded in scramulating property yet in dold to no one; indifferent to a great extent as to his firms and examines, and to his would'de Interests, by was often apparently inconseivin of the prosence of his fellow beings unless his attention was especially called as sinus. -As might be conjectured from this sketch, his moral ofews Were incomments pass and high, and it was impossible to assess this of scale or daplicity. His manners had the surplicity and modesty of those to a child.

The number of individuals yet living iclo nemember the person

of Dr. North is rapidly growing small; our hope is that this involvement sketch may increase the number of those who will respect his memory.

APPENDIX

- A. BRESOGRAPHY OF THE WRITINGS OF RADRA SOUTH, B.D.
- "Account of the Typhen Ferry and its Tournment. Phil. Med. Museum: IV. po. 16-20 (1808). A latter to Dr. John Redman Coxe, editor, dated Gooken, Cours., Jun. 13, 1807.
- "Letter on Spotial Perer," dated Polerary 12, 1808, addressed to the Rev. Dr. Etemeter Pitch. Northfold Superior, Plendeld, 1808. Regulated in his Tracking pp. 88-180.
- "History of the Typhus Perschialts or the Malignam Peterbul or Spotted Fever, us it appeared at Goshen. Connecticut, during the winter of 1893–198; with such Bernarks as may used to studies in Nature and to establish the best Method of Cure." By Elma North. Plot (The Met Wannes, conducted by John Redman Cone. Philiphus, 1899. Yo. YI, pp. 380–391. Beginned in his Froncisc, pp. 126–128. [A letter dated Goslew, February 12, 1899, addressed to Dr. Elljah Manson, New Harra.]
- Observations on the Hydrocele Capitle Infunitor ** Phil. Mot. Museum (N. S.) 1, 50 (1819). [A letter should Gesten, January 13, 1816, addressed to Dr. John Hedman Core, the editor.]
- "Observations on Cymmios Truckes In. Phil, Med Messess (N. S.) L.
 170 (1916). [A letter dated Goden, April 20, 1891.]
- "A Tendise on a Malignest Epidemic, commonly solid Scorres Present interspected with remarks on the Nature of Ferrer in General, etc., and an Appendix in which is republished a number of Emigracian as different authors on this spidemic, with the addition of Original Notes, containing, also a few original and educate cases, with clinical remarks." By Elista North. New York Printed and solid by T. & J. Swords, Printers to the Faculty of Physic of Columbia College, No. 189 Pouri street, 1871. If mo, pp. 250.
- On Execution of the Storm." An alternat to demonstrate that the Mulder may be opened for the extraction of the stone by a posterior method of opening more conveniently in the surgice and with much greater infects to the initiant than by any other method hitherto-discovered. Any Kupland Surgery, NI, p. 112. Reputifished in Phil. J. Mod. and Physical Science, August 1812.
- "On Park." The Assertion desired of Science and drife. Conducted by Benjamin Sillinon. Vol. XI, pg. 66-18. October, 1806.
- "The Rights of Assumants Vindicated," by Vendins. Three Empy. No. 1 in the Canal of Intelligence, Nerwick, January 21, 1829. No. 2.

in the State Partialism, New Loaden, May 12, 1829. No. 3 in the Star London Guardie, New London, August 19, 1829.

- "Galliers of the Science of Life, which treats physiologically of both Body and Mind; designed sele for Philosophers and other candid persons. To which are added Ecosys on other subjects." By Elisia North, M.D. New York: Cultim & Co., 117 Maidee Lance 1829, 4.x., 207 pp., 17 mo.
- "The Frigrim's Progress in Phrenology." Part I., abeldged. By Uselo Toby. New London: Published by Samuel Green. 1836. Theps. Sea. Title as more: "The Mandy yet Charitable Physiologist's Progress in Anthropology; or a Shore Account of the Art of Naking Nice and Useful Demantations with respect to Organizal Differences." It resembles a scrap of Part I, the whole of Part III, Energy, fire in tumber, and an Epitome.

Dr. North also edited "Morrison's Tract on the Vitality of the Bland "

B. Copy of a document in possession of the New London County Historical Society.

Chopus, January 8th, 1782.

Wer Whose Names are here Under-Wrighten Deslereth that a Town specing May be Called as Seon as the Authority of Altors Stown shall think proper for the purport of procuring a Vote of Stown to many an the Small pas by Description, as were new Description Our Serves or Samepart of that Fulvelies may have that priviledg that our Nabours half had before us.

Sincen Smith William Morgan Surveil Admin David Admin Jahre Shake Obad Balley Jet Leeds Nath/ Niles
Charles Smith
Edward Packer
Jasper Lettam, Jun.*
Dail/ Packer
Salomon Perkim
Jeon Brawn
John Woodman is
James Esley
Jeneph Turner.

G. Extract from a letter (date not given) written to the Selectmen of Broton by Elen Ledyard. In possessing of the New London County Distanced Secrety:

Dr. Cooley offered to inoculate errory person in Goulea with kine-per at 4 person, and give the band to pay all expenses if any one gos the small per afterwards.

"[Signoil] Error Laurence."

D. Copy of advertisement in the Councilor Courset, February 6, ESIL:

Percination. In justice to Dr. Elisha North, who is acknowledged by be a man of integrary and skill in his profession, and it believed, from his large experience in the kine-pea, to be peruliarly well wanted in the peactice of succination, we, the subscribers have been induced to state that Dr. North was one arrang the firm who made a vigorous attempt to introdoor into this State the use of the cow pag. Ten years have elepted after his efforts for this purpose were consequed. The caw post like all other new discoveries, sact, for a considerable length of time, with the most determined opposition. The time has, havever, at length arrived in which almost every one acknowledges in ariling. We, as well as Dr. North, highly appears of the generous method afouted by the towns of New London and Bartford to induce the people to avail themselves of this great blessing.

SAMPLE LYBER, WHERE STREET, Ju. Scotneys. ELOTTO LYBOX ERASTICS GRIDOVICES.

GOSHEN, Jan. 14, 1811.

The subscriber informs the people in the adjacent towns, that he will with pleasure extend his practice of varietation to any distance within a convenient day's ride from his small plant of residence. As he always prefers to use frush suffection, it becomes necessary to communicate the histopes to combers at the came time. This method of consequence is also peculiarly calculated to reduce the expense to such individual to a very modernos sum. The subscriber will, with premptness and gmilitade, attend, at their own places of abode, to all such classes as may apply to him for the purpose of receiving the cow-pox. As vaccination, from its very nature, can meres be an abject worthy the attention of every physicien, the subscriber contemplates that those of his medical beetless who may not choose to sugary in this practice will not causiles this attempt to extend its besefts as any infringement on their medical rights and privileges.

ESMINDE Ethilis North.

Goduny, Jan 39, 1811.

The above advertisement was reprinted united in the Connection Gaussia. New London, June 14, 1815, with the following adultion.

The subscriber thinks proper to inform the public in this violably than he is ready to receipate in the manner let has formerly been nontilioned to do, which is detailed in the above of entirement.

[Square] E. Notice

NEW LOSDON, June 5, 1825.

Note by H. C. B. In this same number of the Consections General are two other advertisements of "Kine Pock"; one by fillian Boot of East Haddam, who offers to Vaccinste with "grousine Kim, Pack matter bethan four years old "; and one by Selvenin Wanster of Lynn.

E. Copy of advertisement in the Committee Benefit, New Levelen, Wednesday, July 1, 1842;

The naturation not long since matrix the altitent of New London and its neighborhood that he had removed to New London, where he offered binned as a practitions in physic and surgery, and having lately been talarmed that it was understood he did not intend to practice midwifery, he now takes this apparamity to inform the public that he will us readily arend on calls of that description as any other; also, that he has been much experienced in that part of his profession for twenty years post.

June 30, 1812. Econo. Nomen.

F. Copy of advertisement in the Connectical Genetic New London, Hay 5, 1819.

To physiciant, elergymen, selectmen, and others whose duty it is to take the lead in society in sums where sickness is concerned.

The subscriber wishes to be permitted to give information that he has invested a new made of performing the operation of limiting, or cutting for the stone in the bladder, which he is consumixy will greatly lessen the danger enoughtion that wares. He hereby offers his services to any one who tasy have the midnetune to require a surgera for that purpose He also wishes to give information that he has so far improved the natural both tash to colcounted be seen at earn all the galaxand sof these street that is future no person need necessarily the from that cubic atoms. He has also new acquired experimental knowledge in the treatment of permanent strictures of the arethm by the Counts Bougie is species of knowledge not often augusted in the country), and hereby effers his services to see one who may be affected with that distressing complaint He was also give correct advice and furnish the most improved trasses for supposed persons. It may not be unuseful to state that, in the management of diseases of the aye I have had the pleasure to greenest total blindgase and resions eight to twelve or thirteen persons during the last three years. These would now probably be moving about in total darkness, and be a burden to society and to themselves, but it not been for my individual courtieur. Editors of newspapers in and about this region will producity coafer a hepotit upon society by giving this one insertion in their DESCRIPTS.

(Signed) ELISTA NORTH

NEW LOSTICS, April, 1819.

We, the entermiers, being personal friends and medical farstkren residing in the same town with Dr. North, believe the publication of the above will probably benefit society.

[Signal] Trust Corr. M.D.

D. T. BESTAGES.

N. S. PEREDA.

REPORT OF THE COMMITTEE ON MATTERS OF PRO-FESSIONAL INTEREST IN THE STATE

About April 15th, one month ago, this committee awoke to find themselves without a lossi, and that they were considered exanimous. The chairman, Dr. Wro. C. Wele, but removed from Neutown to Philadelphia, without fulfillment of his duties, and the contention was just apon us. Therefore we ask your forbestsace,

We forthwith sent to all the towns and cities our circular, viz.

New Lounes, Conn., April 26, 1882.

Data Decrees.—The Committee on Matters of Professional Interest desire information on the following points:

list. What are the fees and mileage for medical attendance in your neighborhood?

fid. What are the fees for obstetrical cases, complicated and unmapple ented? Proportion and minutes of cases attended by inequalified manweres?

3d. During the past year what proportion of doubt certificates filed with the Town Clerk were returned by persons not having graduated from resonated negative homocopathic, or relective schools?

4th. Do the towns in your vicinity pay the legal fee for the return of

stack certificates?

5th. Were there my cases lately coming under your notice involving multipologial questions? If so please give hald account of each cases

Please report before May 18th, prestino.

The constriber ask this information because of its bearing on the hill now before the legislature, for the regulation of the practice of medicine. Bospectfully,

A. W. NELSON, Committee.

The numerous asswers since, first, that visits throughout the State are 75 cts. to \$3.40; unleage, 25 cts. to \$1.65; office, 58 cts. to \$2.60; second, \$3.40 to \$25,00 for ordinary cases. In essuancy towns with law face, nearly all obstectic cases are attended by regular physicians.

In cities with the larger fee auquatified malwives throw and grow In. There they attend and report about one third of the births. We should sensually consider whether the ter should not be made \$5.00 to \$25.00 overviewers, according to topic str., hestored. With power pupie, one or two loses' detention as countly well paid for by \$5.00. Further delay should bring an increased his, and any years after should be additional. None would be burn and all benefited thereby. This \$5.00 everywhere backs in darkness and sorrory. Better burdles it, and be rid of will conscience the trealite of many. If unprepared to attend prog women in their extremery, we ought to advocade achieve for the proper training of uniforms. The committee, however, islieve the fixing of flexible fees everywhere, according to amount of attention, would being most labors within the care of skillful physicians, whose compensation and experience would be alguly antisfactory.

The fee for visits should also be clastic, office, 50 cts. to \$2.00, others visits \$1.00 to \$3.00, and appeards not to foil competition of physicians, but to must the neads of the community. The short visit at the poor num's house is fairly paid by \$1.00, and we can easily prolong our calls in fortunate homes to the covered \$2.00 or \$3.00.

Setting up a high for, we often imitate and ravise the charlatane, and increase that danger. In thus embarroung to bring the whole community within the fold of honest medical practice, the report of birdis and deaths will nearly all tall to us. We shall implemently do for society a great needed good — now impracticable.

The errors of other so-called schools will better be used with these compensations, and our locored name of physician without high securing designations shall be the fallenian everywhere to clarm and works the ock and troubled.

Appended are three cases dimerative of the dangers arising from the attendance of these unschanged midwires.

(1) In 1883, at New London, exhibit to see a woman of 44, multiparous reported very rick in taken. I found to dead. A georgeodram practitioner, as hear before, had left har, geoing her a dark medicine. He had hern with her more or less for my hours. The pains, from his leaving, were continuous. He admirted giving ergot, has said it was not drope of the extract. He had the phial, and when he left he sware to return

Antiquey ordered by coroner revealed material presentation, membranes not broken, and regulars of the funding uterialize or six landon long. The serves only purely dilated. The woman was very fat.

A. W. N.

- (E.) In 1886, at New London, a midwide who attends sixty cases a year, and is without knewforlys, called a physician or see a wuman of 46, multiparous, with the membranes reptured and the or dilated to size of a silver dollar, had been. The pulse was rapid, the temperature increased, and the warmer distressed, but with only slight pure. She had been sick, and in labor two or three days without sleep. An opinic pare some sleep for the night, but the morning bromphr no improvement, and mother physician, of large experience, was called. He advised an opinic and waiting. At examing, a man of games caperions did not approve of operation or metruments, and advised waiting. She gradually suck and died before morning.

 A. W. N.
- (3.) In 1897, at New London, this menth, Drs. N. and B. were called accominedy and legether to attend a woman in land labor for twenty Lours—from 12 a. 9. to 3 a. 9. the next day. Head in the upper small, the m fully dilated, the scalp tensor filling the ragins, nearly. The midwife of No. 2 attenting. The pulse was very uspid, 129 to 130, and difficult to feel from treakness, the agitation almost juciliation, the face pulse the pains elight and ineffectual. From 1 to 5 r. s. the distress from description had continued. Delivery without difficulty by long forceps, but no improvement of the distress and smalley. She died at 6 r. st. The treatment was 37, multipartous, had never had any treatile in birtle, and the prival was normal. The phoesita and finis showed by the stain of blood-suggification than the child had been dead some hours.

A. W. N.

The committee automit the following draft of a proposed law to regulate the practice of medicine:

Members of the three incorporated medical acciding of Comercians, in good and respectable standing, and persons licensed by the Bourla of Examiners—one by each State Society—alone shall use for purposes of practice and testimous the trile of M.D., or give confidence of cause of death—corrusors excepted—or be called upon to give testimous as medical expects in the State courts, and any person making otherwise a return of cause of death to the town or city registrar, or taking the table of M.D. improperly for purposes of death and fraud in business, shall be subject to fine of \$90 to \$100, and imprisonment for the months or ion, in the discretion of the court.

The Boards of Examiners, appointed yearly of persons well skilled in

14

newired surgery and midwifery, shall examine persons claiming to be qualified for modical, surgical, or obsentified practice, and license said persons found qualified, either as physicians or midwires, the latter of whom may purples as midwires and take payment therefor. Any other persons preferring to act as modwires and taking pay therefor shall be subject to fine of \$50, or imprisonment for six months or less, in the discretion of the rount.

Midwires shall not make return of still turch, or of death of the marker, but in each cases shall call a physician who shall, in his just discretion, make such return or call the consear. Midwires giving return of death in any case shall be enhyed to fine of \$50 to \$100, and, in the discretion of the court, to impriscement.

Any midwife having a still hirth, or death of child or mother, and not calling a physician or curouse, shall be subject to fine of \$50 to \$500, and implications, in the flicretion of the exact.

OBITUARIES.

BENJAMIN FRANKLIN HARRISON, M.D., WALLINGFORD

BY JAMES D. McGAUGHER, M.D., WALLINGTON,

Benjamin Franklin Harrison, M.D., was born in the town of North Branford, parish of Northbord, in the year 1811, the son of Elizar Barrson and Bebecca Barthalanew. His sarly life was spent on his father's farm, and later he was sugaged in the occusin 1816, he graduated at the Yale pation of school teacher. Metical School and after a few months' loopital experience in New York city, began the practice of medicine with Dr. French in Old Milford. In September, 1836, he left Millioft, and came to Wallingford, where he remained in active practice until Sepbember, 1844, when he disposed of his residence and business, and went to Europe, spending are months in Paris, because to the lectures of Lone, Velpean and other celebrated French authorities of that time. After leaving Paris, by traveled extensively on the Continent before returning to America. The doctor arrived home in October, 1847, and opened an office in Cincinnati, Ohio, but was finally persuaded to return to Wallingford. Commencing once more the active daties of his profession in this town, he contitued undergoing all the arduous work a country practice imposes upon a conscientions physician, until August, 1862, when he received a commission from Governor Morgan, as Surgeon of the First New York Volunteers, then in the field at Yorkissen, Vigginia. He continued with his regiment until its term of service expired in 1864, and after that he labored in South Carolina and Florida in the interests of the Santary Communion. At the cioss of the your 1864, Dr. Harrison resumed his practice in Wall. ingford, continuing uninterraptedly attending to his professional

duties, intil his had libers with the stocoption of the uniters spent in the West Indies to his bestin. He died at his tome in Wallingford, April 23, 1886, in the seventy-liftle year of his age, after an illness of three works of complexited rardiar and result meses. He toro his pain and discomfact with scarcely a minimum, emerising in the interval from the beginning of his sickness to its sent that pseular philosophical bearing which but always took a well-marked characteristic of his throughout his whole his under my and all circumstances.

Dr. Harrison was married June 3, 1843, to Susai Lewis of Wallingford, who died Soptember 10, 1853, leaving one daughter; this daughter enhangements died at the age of seventeen. He married for his accord well, June 20, 1863, Virginia V. Abell, an accomplished and highly educated young lady of Franklin, Comm. The death of this safe (December 21, 1869), in a little over a year, was a great shock to the docur, from which it took him a long time to rully. In 1883 he was again married to Mass Sara E. Hall, daughter of the late Joel Hall of Wallingford, who surviveshim, — a hely of most excellent qualities of mind and heart, and highly esteemed for her many virtues in the community where she is so well known.

Doctor Harrison was a man marked by his composition individuality; almost entirely self-trained and taught, he seemed to make thereight use of every opportunity that my in he way, to philosophies upon it, to defined something finally promisal, and to apply the knowledge thus gamed when the proper time came. Thus, in whatever position he was placed with the large aggregate of information which he processed and could use, he could prove himself useful, or impart that knowledge which would enlighten the minds of others and stable them to accomplish desired emisille was positive, and when once he became decided, by a process of stew hat course allow constitute could not be persuaded in the contrary, in line by with my greater arguments processed than appeared toolors in he own mind, and he generally convert the ground in well that an opposent had but peer weapons to attack with.

the was a great number, and descured overgithing of a useful or scientific culture that came in his way, congredented & and stored his information array for Jetsey reference and use. His library attests the intellectual quality of the rated as to his appreciation of philosophy, history, religion, and moule, both ancient, memoral, and modern; science in all its departments; medicine in all its different aspects; sanitary and hygienic knowledge in all relations to the promotion of health comfort, and prolongation of life.

He was systematically seen mical, which made him a threengally useful adviser while in the army, and also in the management of town and school affairs, in which he always took the despect interest, and longht possistently against extravagance is the use of public mercy. Wallingford own much to his suggestly, fore eight, and shrowings in her public affairs, and never regretted betening to and taking his advice.

He cared nothing for popular appliance, and distained to enter to any sentimental or political treams for any kind of preferences.

He was singularly bound in its convictions, for to him they were founded upon incontravertible logic, sustained by facts, with a feeling that he had a thoroughly practical understanding of the subject under consideration, and whether appertuning to school or municipal matters, or in anything else in which he took a deep interest, he held the same opinion, though in a log-less minority,

In his profession he was attentive and skillful, and slow to adopt the many new langled aleas and remedies which have weighed heavily upon the therapeutic tree for the past decade. But, anything new that he was satisfied would accomplish more than the old, he would adopt and cling to tensionally.

The doctor was uniformly polite, controver and kind; rarely ever given to despendency; quantity lumorous when in musual good spirits, and one of the most interesting and charming conremationalisis one would desire to being its

Yale College recognized the Dictor's sterling worth and scientific attainments by conferring upon him the degree of M. A. in 1872. He was supeculty interested in nancorology, and had faithfully kept a record of the mixinit as it occurred throughout the interval termen 1816 and his death.

His services and often laborious term, were freely given, cheer, fully given, to forward the interests of Wallingford; with his own hand he planted many of the noble oline that beautify the streets. The becough of Wallingford will rever forget the service Dr. Harrison rendered in introducing the public water supply; he was largely instrumental in the successful carrying out of the plans which have given Wallingtoni one of the healthiest water supplies in the State of Connecticut. After the terrible Wallingtord torwade, Dr. Harrison gave up a proposed pleasure trip to the Bookly Mountains, and devoted himself to caring for the injured, and faithfully disbursing the large hand contributed to benefit the unfortunates.

He was use of the most streamus supporters of our school interests, and his labors in that direction were unremoting characterized by great judgment, forethought, and economy. Dr. Harmson's mind and ability were too great to be confined entirely to medicine. His desire to see the education of the young of Wallingtoni placed on a proper basis, and to see the town grow and prosper, and not be swallowed up in unpracticable schemes, called tooth at internals throughout many years some of his best efforts, most practical thoughts, and most timely and enlightened advice. He studied and analyzed overything pertaining to educational advantages and methods, and worked hard to have those adopted that would bring the best results.

It is not uncomplimentary to be town to say, "there is not one left that can fill his place," for he possessed those qualities of slow but some growth, perfected by years of roading, study, and reflection, with a mind by nature poculiarly fitted to receive and retain knowledge of the most varied and opposite kind, a mind made strong by the rist, roluminous and painstaking reading of over lifty years, a head educated by perseverance to disacct analytically, and to build up synthetically, a broad and deep understanding of humanity in its relations to builth and discuss by virtue of his thorough knowledge of medicine; with an immense experience in all kinds of public undertakings be given in the aggregate to possess those qualities that very rarely fall to the let of a man currentecribed by the 2mins of a small fown. The influence of Dr. Harrison is not buried with him it will continue to live and grow, and increase into greater prefeluers and life, so his matter fall bedy returns to desi-

PLINY A. JEWETT, A.M., M.D., NEW HAVEN. By Lewis Basses, A.M., M.D.

Courtesy to custom of noting one deceased, honer to ourselves in that he honored us and a souse of requirement — alike demand the training of a helof notice in memory of a brother.

In his carrier professional current, and in the prime of his activity, none was more ambitious for prodessional usefulness and distinction; no one was ever more active in advancing the interests of the Connecticut Modical Society, or more coaless in guarding the integrity and honor of its members; no one more relenties to its even assuming focus no one more honored with its professionate and distinctions, than was Plany Adams Jowett.

He was born at the Eniscopal vertery in Derly, June 4, 1816. His father, Ben Stephen Jewett, is rejuted to have been something of an assocrat in his profession, who held away over the then lookle parishes of the lower Natigatick valley. The son some to have inherited somewhat of his father's disposition. He was educated at home and in the discount school at Cheshire, graduating at Trinity College in 1837, and at the Yale medical school, two years afterward. His early impressions were never effaced. Hom within its pale, he lived his church, was arrive in its councils sujoyed the society of its dignitaries, was for some time assistant secretary of its discosur convention, and in all the varied phases of his life he morily preferred the claracter of a Caristian gentleman. Possessed of a quick and able intellige, as a singlest he had a facility of acquirement and retention, even of the minutes of things, and commanded the fore and respect of his preceptors, becoming in a measure an intimate associate and protogo of the late Dr. Knight, whom he classe as an exemplar warthy of instation, and whose gentleton of speech and manner did much to soften that which was naturally brusque and forceful in die perpet

In 1856, on the resignation of Dr. Timothy P. Beers, the Yale professor of obstetries, Dr. Jewett was recommended by his former precepture and obsteted by the Yale responsion to the earning, which he filled with ability for seven successor years.

In the outset of the War of the Rebellion he was appointed by Gov. Buckingham one of three distinguished physicians to contributhe qualitations of our regimental surgeons, and on the opening of the Knight-General Hospital by the United States Government, at New Haves, he was appointed surgeon in chief and major communicat. Physically and insortally he was fitted to command, and took delight in his post. I have said be was a "horn autoerst lest Government at that time allowed no autocratic instructions, a personal enemy had the governmental our and he was lodged a practice in Fort Ladayette for a very brief period, but on a due representation the Major was homorably acquitited, and restored to he position without less of rank or pay, but doubly chaptined that he should have land himself open to inimical assault, and been chilgred to "bless his enemy."

As a man be was positive in his opinions, foreible in their expersoion, relevant, in their defense, controvering opposite opinloss with a curious intermingling of facts, ridicule, reasoning, and santasm. He was noble in stature, dignified and courteous in manare, social to an extresse, condual to his friends, contemptances to those with whom he differed. Being possessed of a contribullensor, with a ready expression of thought and unimited fund of meedate, his was a leading squitt among congratal consparious, Finuscially he was not a success. He was profigal; he was human. As a general practitioner he was an able, discriminating, and comprehensive chalcian, and while in active practice was noted as a safe and successful counselor by a wide circle of the profession. Kind, sympathetic, and cheerful, his presence impired hope. To those who employed him, he was "the beloved physician." But it was in surgery that he most delighted and achieved his highest reputation; visiting most of the towns of the State in the discharge of his duties, and oftentimes fearlessly and successfully operating where other prominent surgeons had deemed an operation impracticable. Says a friend: "As a surgeon be was in advance of the times, not only skiliful but exceedingly benevolent, often performing fremidable operations without charge. After the war he wanted sto for a poor seedier whatever service his profemion was capable of subject reference to compensation." A miles more to him with nemated fracture of the radius and nine of long warding, and was successfully treated. The hill for operation stal subsequent care was recorded in full tile the satisfaction of making a good arm." A case in detail will better illustrate his liberality. A returned soldier with decaying teeth resumed his former employment in a match factory. Shortly his whole lower jaw because necrossid. After waiting until tile and funds were nearly exhausted, and speech was falling, he made application to Dr. Jewett. To his wife, who was present, the Roctor said it was a doubtful case, and asked if he could bear to hear the worst. "Oh, you," said his wife. "He has already been told that fife is in doubt." "Well, then," said the doctor, "H I can tore him up, three weeks bence I will remove the whole jaw." - All right," said the man. In due time the operation was performed, and when from less of anchorage it became necessary to enture the tongers, "There," said the doctor, "He may die, but he can't swallow his tongue." The doctor was assistness in care, and so fully devoted to the case that the man was removed to health with a meeful membraneus substitute for a jaw. When asked his charge for services in the case, he replied: "I charge you to go to. a destint and get him to provide you with a good set of teeth, and then come and show yourself, for I think you will be a handsomer. man than ever before."

To illustrate his judgment. Being invited to a hospital clinic, where he had witnessed a thigh surputation, and listened to a few remarks from the operator in favor, the doctor was privately asked if the affair was well-devised and performed. He replied in an undertone characteristic of himself: "Yes, it was well-dens, only you should have amputated just below his care, for the patient is not toned up to live, and the stump will never heal." His judgment proved correct.

To illustrate his delicacy of touch and tact in examining sounds on the fiving and the dead. He was could to examine a section of murder on East Rock; a man apparently some time dead, with a sunder of blant wounds of the scaip. The doctor judged that they were made by a knile or its resemblance. Introducing his probe into one after another to learn of its depth and direction, his sense discorned a semething which care and skill nevealed to be the merest speck of steel, so small that it was leared it might oxidize or to list, and so was carefully treasured. The doctor kept the matter to himself, but instructed the officer sho was so arrest the suspected murderer to take promptly from the man any knile or similar instrument, if found, and bring it to him so as to

owear to in identity. A knife was found in the prisoner and the speck of steel, units a powerful ions, was shown to exactly in a broken point of one of its binder to the satisfaction of the court and the entirel, who mid. * Ah! Doctor, that speck fives me and I will bell you all.

Dr. Jewell was prominent and honored in carious medical amociations, but contributed but little to the medical iderature of the day. He became provident of the State society, was frequently a delegate to various other State societies, and was elected in honorary member of the New York State Medical Society.

In the American Medical Association his mane is promisent as one of its organizers. One of its earlier meetings at New Haven.

"has kept Air essency green" amongst the gray, as was attested at some of its mount sessions by kind inquiries, and a recoming of the courtesies and attentions then received at his hand, with session of his wit and advotness in recomming clashing forces, and emphishing at once apparently harmonious relations.

In his later years, tired of an active practice, he devoted his sinie to medical jurispendence, and was an acknowledged owners in various matters pertaining to his profession. His personal tearing, positiveness of apinion, and endurance under cross-examination pleased whichever side he favored, and he was frequently ealled to tentify before the course. His opinions were well fortified by the authorities in all matters of fact, and wherein he chose to differ he was easieful to convince the jury in his favor, if possible, by a sophistry peculiar to himself.

Once he was summoned as a witness on a mitroad case in Verment, again to Permeylvania and it was while in attendance as an expect at court in Providence, II. I., that he died of pronuments in the exty-eighth year of his age, leaving a wolder, one daughter, and two sons surviving, one of whom, Dr. T. B. Jewett of Derby, a member of this success, has since fired

Though a knowledge of men's lives is always inding out, yet in most of so prosonteed a character as Dr. Jersett's that knowledge takes slowly. That which was wanting in character is soon begotten, but the memories of kindness and worth live for beyond the grave. Spiter quades der ad unto, basel, benchtam,

THOMAS BACKUS JEWETT, M.D., BIBMINGHAM

By GUSTASUS READY, M.D., NEW HAVEN.

Thomas Backus Jowett, olden child of Dr. Pliny Adams and Juliei Barrington Jowett, was born in New Haven, January S, 1856. He was educated at Roy. Dr. Kverest's Rectory School, Hamden, at the Hopkins Grammas School, New Haves, and at Gen. William H. Russell's Collegiate and Communical Institute, New Haven.

June 10, 1872, by married Miss Mary E. Bourdaloy, daughter of the late Dr. Ambrose Bearlufey of Birmingham. He at once ontered the office of Dr. Beardsley as a student of medicine, and soon communical practice, for which he was not entirely unfitted, Twenty five years ago his father, then a professor in the medical department of Yale College, was perhaps the most distinguished surgeon in Connecticut. The son early manifested a deep interest is his father's professional work, which the latter strong to encentage and develop. During the rival war he frequently accompanied his father while visiting the wants of the military hospital at New Haven, and assisted in performing operations and applying dressmgs. In 1877 he entered the medical department of Yale College, grisms he attended the loctures of the accomplished and eloquent-Silliman, the dignified and classical Wileox, and the dogmatic but practical David P. Smith - all now food. He received a diploma ie 1875, and subsequently continued to practice in connection with he father in-law for alloct two years, at the end of which period be owned a separate office. He, however, continued to be more or less intimately associated with Dr. Beardsley until the death of the latter, in 1884. Dr. Jewett was affected by the death of his wife in 1279.

Early in 1884 be became affected with blood-potenting, the infection having entered by a small wound of one finger. He never completely recovered his health, but died August 6, 1885, at the age of thirty-five. The immediate causes of his death were august pactoria and controls premionia, which attacked him nine days before his death. A second wife and two some—one by each marriage—aged respectively seven and three years, survived him.

At his death he was medical examiner for the town of Derly, having been appointed in 1883, when the present contents have went into effect. He was also a member of the board of burganess of the borough of Berningham, to which office he had been elected for a second term.

Affable and kindbearted, he had secured an extensive precise,
—a large part of it being surgical work, for which he always
showed a decided preference. Reports of his cases may be found
in the proceedings of the Connecticut Medical Society. "I am
very many "were the last words which be attered as the breath of
life passed from his body. These words give an almost dramatic
effect to the conclusion of the career of one taken away in the
prime of an active life. A large curvie of friends and admirers, in
whose behalf he had unbesitatingly undergone anxiety and fatigue
mourned his untimely death.

W. O. AYRES, M.D., NEW HAVEN,

Br W. W. HAWKES, M.D., NEW HAVES.

William Orville Ayres, son of Jared and Durah (Benedici) Ayres, was born in New Canaan, Conn., September 11, 1817, and died April 10, 1887, in Brooklyn, N. Y., whither he had removed from New Haven several months before his death, being then in declining beath.

He graduated at Yale in the famous classed 1837, which embraced many names now of national prominence. Among them we find, President A. L. Chapin of Beloit, William M. Evarte, Prof. C. S. Lyman, Edwards Pierrepont, Prof. Benjamin Sillinan, &r., Chice-Justice M. R. Waite, Dr. Andrew Leete Stone, and Samuel J. Tilden,—although the last-named did not graduate.

In early student life, Mr. Ayres manifested were aptitude and continuous in natural history, in one branch of which ornithology, he attracted the attention and acquired the warm friendship of J. Audubon, who attached the name of "his young and learned friend" to a wood-pecker, Prins Agresis, described in his Birth of America. This friendship continued till Auduton's death, in 1844, at which time young Ayres, consinced that go field had been left angleaned in contributory, turned to the water, teening with attractive life and prognant with interest for him. Part

of his researchin among fishes were published in the Proceedings of Boson Society of Natural History for 1848 to 1852, of which statisty he was the curator from 1840 to 1852. His real is ichthyology continued in the West, where he was deemed authority in that branch for years.

During 1845-1847, he taught at the academy in Sag Harber, L. I., and the latter year became principal of the Elliott Grammar School. Boston. The same year to married Mars. J., daughter of Samuel T. and Phorbe Hildreth, of Sag Harber, Their two daughters. Kate Maria and Clara Hildreth, were here to San Venecisco, and all these survive their husband and father.

He contracted the California fever early in the fifties, and, in 1854, after receiving his degree in medicine at Yale, be sailed by way of Panama for San Francisco, where, during twenty years, he received a liberal patronage in his profession, besides being elected prefessor of theory and practice, in Tolland Medical College, and dean of the faculty from June, 1862. Besst by the temptations and indected by the common spirst of speculation, he embarked upon a maniferentime which cost him the fruits of years of shall and prudence. Nearly orippled financially, the West, never preferable to him, had even less attraction new, and he turned East, in the vain hope of perfecting an enterprise which had proved impracticable on the Pacific slope. Again revenue overtook him; and, after tarrying in Easthampton, Mass, swhile he located at New Harsen in 1874. During the remainder of his life he was connected with the medical department of Yale as because on nervous diseases, and, in 1886 and 1881, occupied as well the chair of theory and practice

As a New Havener he seemed compareness in all things good at all times. Particularly is affairs of the university was be almost ubiquitous, be it in the various lecture rooms, the library, or the athletic field; and his period, affable, interesting, and interested manner challenged universal remark, and won him the encommusand good-will of all. To the young especially he assumed approachable, and many a student and purior practitioner, out of a dublous more, nurtured courage to success, begetten of a quies and carried communion in the office of the hearty old doctor; for his inherent optimists always now extends to the surface, despite the depressing reverses which it had been his fortune to experience. His begant and tranquil spirit new good in everyhedy and everything. "I have neverallowed agricult to become numporated with any one nor to with any person harm."

He was what some torm an "conniverous" render, and his loyal quiture and diversified talents wrought a powerful influence as a writer and teacher. In lecturing, his digressions would off-time lead to faremating views. As an author he was farile vigamos, fertile, and resuminess. If collected, his articles would swell several volumes, for he was almost continually contributing to one or other of the following publications: Journal of Nemeri History, Overland Mantaly, Popular Science Mantaly, Scientific American, Boston Journal of Commerce Manufactures: General Harper's Foung Popula and St. Nielsche, he which he often wooks among money, not be preparate his professional standing.

He was a constant attendent at the meetings of the New Haven Motical Association, of which he was president when his last sickness overbook him as if by surprise; for he had often accounted himself insusceptible to external impressors, with his strong frame and realloss energy.

His malwart physoges; his high religious fervor, his firm temperature principles, his moble morning, before which the very relation of was and the religid just fallowed, complete the symmetry and character of the man who, of all those departed, is perhaps used mosed among the profession in New Harson.

GEORGE BRONSON PARNAM, M.D., NEW HAVEN.

By WM. H. Cannany, M.D.

George Bronson Parnam, the object child of Henry and Ann S. Farnam, was been in New Haven, on August 21, 1811. His early education was obtained in Sing Sing. New York, and at the Hopkins Grammar School in New Baven. His father's large railroad interests compelled him to move to Chronge, and when George was not at school be lived in the family of President Porter of Yale College.

He joined the class of 1882, at Yale, but during his sophomore year an attack of the discuss from which he was nover alterwards

entirely free, inflammatory rheumatien, compelled him to leave and give attention to his beaith. He was ordered a long sea voyage and made the trip around the world in a soling ressel.

In 1866 he took a course of baths at Aie is finite, and after that for the first time felt able to take up study again. He then entered the Medical College at Yale, and was graduated in 1869. The following year he west abroad to study, first to Edinburgh, where he took a course in clinical surgery under the renowned Lister, and in discusses of women and children under Alex. R. Simpton; then in London in the Royal College of Physicians, and in Kings College with Dr. Alfred Meadows, Dr. Prothers Smith, Dr. Charles West, Mr. Christopher Heath, and Sir Heary Thompson. He afterwards visited Paris and spent some time in the hospitals there, and returned home to practice in his matrix city in 1872, with every prospect of success that natural tasts thorough preparation, and social advantages could give.

Along with his friend, our late associate. Dr. S. Henry Bronson, he organized the New Baren dispensary, and applied himself to the allowation of the suffering proc who sought in aid, assisting them not only with his professional skill but the descrying freely with his purse; unconstitutionally, "not letting his right hand know what the left hand gave," and always with the kindest and most sympathicing words, and the recipient never felt burdened with a sense at an obligation to be repoid.

He took the liveliest interest in the New Haven Hospital to which he was appointed on the visiting staff in 1873, serving successively arphysical, surgeon, and then on the consulting staff until his death. Feeling that the last professional work requires good naming for its most successful results, he early appreciated the advantage is would be to the hospital to have the most satelligent class of names working in its wards; he therefore advanted the establishment there of the present efficient Connectical Training School, and gave valuable magnetism to its pupils. His own work in the words was characterized by careful study in diagnosis and skillful treatment afterwards.

In the winter of 1815, the disease from which he had formerly suffered as severely again setacked into, obliging him thereafter, so long as he was able, to go to a milder clime during the winters, so that it was power possible for him so take up active professional work again though to the very had he kept up an undagging interest in the profession of his choose

In April, 1870, he married Man Caroline Wella, daughter of Dr. Thomas and June E. Wella, and they had neven children, all of selem survive their father

This incomplete sketch of the life of one of the loveliest characters that ever graced our profession gives no idea of the herousiwith which he met the fate that cut him off from the enjoyment of the practice of the profession he was so well qualified by natural tastes and careful preparation to other.

His resummation took the form of progression arteriar deformant, going on to the unkylose of all his joints, until at length he had but the partial use of the dingers of his right hand, his left shoulder, elbow, and Rogers. It attacked the nemebral amoutations at an only ported, and the shouths of the spiral nerves were also affected, and during the made part of his confinement his sufferings were myore, but us the systebus became rigid the pain was loss scope. The articulations of the eile with the vertebes participated in the unkylosis so that his respiration become entirely abdominal. He had both mittal and acetic intoffinency, and there were also avidences of circloris of the liver; his death came about from cardisc failure. During his whole confinement, he kept hissaid posted in his profession; reading the journals with avidity, he was over ready to discuss stedled subjects with his professional friends. and those who had the opportunity so talk with him found they could bong him but little new. Within a few days of his death he was in surnest consultation with a professional friend over an intricate case, and sheaved himself as fully alies to the exhibities of neurological phenomena as the most active practitioner.

He bore his suffering and the confinement, and the depression from work, with a patience and observations that was truly heroic. Begretting boostly his enforced idleness, he nover repined. Visitore approaching his bestude with feelings of commiscration, in a low minutes would torget that they were with a sick man, so closery and pleasant and fresh was as in conversation, and they could but recall with asternalment afterwards that they had been talking with a man who had not left his bod in yours. His memory of sections and places was surprising, he kept bimself familiar with changes he could no larger see, and he never permitted his interest in the world around him to flag; he neither allowed the world to grow awar from him, nor himself to become isolated from the world. It seemed to these about him that he had no thought of himself but to be always on the short to do a kindness for others. No scheme of general or individual beautodence than commended itself to his judgment failed to get a favorable and liberal response. Earnest but free from cant in his setigion, clustrable in his judgments, he was loyal without cavil in his friendships. His regret at his inevitable early death which he looked calmly in the face for years was mainly that he was to have his dearly loved family before his children would be old anough to approximate how much more than a sick man be really was.

THOMAS PYM GIBBONS, M.D., NEW HAVEN,

By WHALLE G. DARGETT, M.D., NEW HAVEN.

Duce. -- In New Hayes, April 3, 1888, Thomas Pym Gibbons, in the slaty second year of his age.

Both the paternal and maternal ancestors of Dr. Githams were among the earlier settlers of Penssylvania. The former came from Willshire, England, in 1684, and took up a large tract of land in Laurander County, and here, where for many generations his agreences had cultivated the soil. Dr. Gibbons was born on the 27th of April, 1824. His mother's name was Pym, and her family had settled in Chester County as early as 1732.

Abraham Gibbons, the lather, was a prominent and consistent member of the Society of Friends,—a denomination once numerters and influential not only in the State of William Penn, but also in the adjoining States. As a sect, they were firmly attacked to the principles which they professed, believing in education, and laying their own schools and colleges.

Dr. Gibbons received his education at one of their most colebested colleges, that at Westersen. Perm., which was under the exclusive control of the orthodox branch of the Qualities. His tastes not inclining to his father's compution, he intered Jefferson Section! College, where he graduated with boson in 1851. He at once commenced his professional curver in Philadelphia, and powerltwo busy years in questing, assisting obter surgious notably Prolessors. Joseph Pancoust and Thomas D. Mutter, in important operations, enthusiastically studying surgery, which was his favorite branch, and successfully caring for the patients who fell to his let as a young practitioner.

At the end of two years he was taken all with rheumatic good, and, after a protracted and very serious illness of several months, found it seccessary to go abroad to recupe at his stattered health.

On resurring from this trip he, for a time, reliaguished active practics and ongaged in business with his brothers, R. P. and W. G. Gibbans, who conducted a rolling-mill in Wilmington, Delaware. He remained with their until the outbrak of the war, and in 1861 entered the volunteer medical corps of the army. In this service he remained actively engaged, until compelled to peages in 1863 because of a severe illness. His military work was marked by the same thoroughness fidelity, and humanity which was characteristic of the man. He was at one time director of the Dengiate Hospital in Washington, and at different times performed duty on the field and in various hospitals in Alexandria and elsewhere. At the time of his retirement, he was on the staff, of Major,General Schook, a position gained by his having skillfully and succeedably managed a dangerous wound in the general's hand, which threatened to make necessary a sacrifice of that metaber.

In 1867 he married Max Harriet Prime, daughter of Producick Prime, of the once preminent banking firm of Prime, Ward & King of New York city.

Retween that time and 1878, the date of his coming to live in New Haven, he made two semewhat extended European trips, and resided successority in Baltimore and Philadelphia. After settling in New Haven to began to practice, having an office in his residence on Trumbull street. He connected bimself with the city and State medical secteties, and gradually won a literative, though not a very extensive practice.

In the winter of 1885-36, when about to start on a somborn trip to avoid the extremes of the New Kegland climate he was enblody taken ill, and was obliged to take to his best. This illners, based upon a coppied condition of his heart, proved fatal, and, after some mentle of suffering, patiently and cheerfully borne, he passed away, on the third of April, 1886. Mrs. Gibbons survives him.

Dr. Gibbons' short residence in this State and his retiring dispoaction contributed to make him but little known to his professional beethren; but among those who did know him his character was thoroughly appreciated. Not courting notoriety, nor aiming at a large practice, which his health would not allow him to pursue, he yet assured a gradually increasing number of patients, and to each became not only a valued and trusted medical adviser, but a true and lived friend. His wide and thorough knowledge of professtoral subjects his large fund of general information, and his strong individuality made his counsel valued and the man himself bired and respected by all who knew him. In his high integrity, parity of mind, and elevation of character were recognized the outcome of a youth and early manhood passed among the noble traditions of the Society of Friends, whose principles were his. His left was one filled with surpost and fruitful effort, yet, useful so it was, it could be but a suggestion of what might have been had not early impairment of health prevented that sustained effort so processary to the maintenance of a prolonged medical or surgcal practice. In bring Dr. Gibbons the community has lost a physician of unusual ability, a loyal and patriotic officen, and a pure and high minded Christian gentlemen.

C. M. CARLETON, M.D. NORWICH: By L. S. Paddock, M.D.

for Charles M. Carleton was torn in Waterford, Mo., April 28, 1838. As a child, he was siender and deficate, and suffered a good deal from asthma. On account of his feedlesses, he was unable to attend school as much as most children, till he was ton years old; and whose permitted to go, he was much behind in the studies pursued by most children of his age. A few years, however, found him in advance of those older than himself. The amonds in the small news of his native State were not what an ampitions boy desired, and at the age of affects he was very desirons to attend some scadency where he could recover greater advantages. But his parents were poor, and could not afford to gratify him. Disappointed in this, hie father was willing to send him to a relative in Pordand, Mo., where he could take writing lessons of one of the best teachers in the art. In this he borners = profesent, that he was soon able to give leavent, and thus coninhuted to his own support. By the death of his father in 1836, he was again doomed to disappointment, and folt that he must abandon the throught of obtaining the education be so much desired, and in 1858 he went to Boston keying to chasin a sametion in a bank. While hestiating as to the best course to pursue, he forminately called upon his father's comin, at Cambridge. She at roote became interested in his workers, and so encouraged him by good advice and generous offers of aid, that he decided to goon the academy at Exeter, N. H. He was there has a short time when, in the fall, his sight almost falled, and so serjous was the trucke that the ocular feared he would become totally bind. An entire rest from all work became imporative. Almost driven to despair, again he returned home and except the needed rest. It was during 1859 that he visited his brother in-law, the late Dr. Win. Warren Greene, a surgeen of distinguished reporation and who had students under his instruction. It is probable that while been to became factimated with the study of medicine and surgery. and as his eyes had improved, he cantiously ventured upon a little use of them. No harm resulted, and representest continuing, in the fell of 1859 to estored Harvard Medical School, from which he guiduated in 1861. It is quite characteratic of his impulsive nature, to find that during his first course of locures, he married Miss Mary Greenwood of Boston. She was a member of the New Jerusalem Church of Bowdoin street. Jan. J. 1880, Dr. Carloton joined the same, and they both continued their membership to death.

Soon after his graduation, in 1861, he removed to Norwick, Cons., which became his home for the remainder of his life. Dr. Carleson was an enthroise in his profession, and a hard worker. He could not be idle. His temperatural was such that he was vork and his will was indomitable. No efforts were spared to vary out any project which he desired to see accomplished, and

whether by eight or day he pushed on, often to the serious injury of his health

His favorite study was surgery, and the civil war opened a floofield for his study and advancement. He calisted as surgeon of the Eighteenth Regiment, Connecticat Voluntares, and his first duties were at Baltimore. While there he exhanted such rary executive ability and superior skill, that he was made acting Brigade-Surgeon of Roopstale and Defenses at Baltimore: a very complimentary appointment for one so young and is short a time in the service. But, while here, his old transles rapidly returned, and on account of weakton of the large, he was obliged to resign his poetion and return ficture. With that characteristic cornectness which becomed to tim he at once sailed for Europe in search of health. While there he persons a post-graduate course at Mantipelier. France. He returned from this trip in butter beauti, with better knowledge of the language, and with a splendid supply of ourginal instruments.

With improved bealth, he again resumed practice in Norwich; but his practice was not confined to this city. He was favorably known throughout the county, and in many parts of the State he performed important and encessful operations. As an orulet he topolled, and it no doubt contributed much to his happiness that he was embled to restore the eight of many, who, like himself in order life, were absentioned with blindness.

Dr. Carleton being desirent to practice surgery only, had been been minutive to general practice; and using often called away by emorgencies, he was thought by some to neglect his patients. But it ill becomes me to speak of neglect! When the responsibility of an important case rested on him, he know no rost or sleep too the danger was passed. None could be more attentive. He was kind to the sick, delicate in his handicraft, quick to use stanger and never appailed by it. He possessed the eagle's eye, the lice's heart, and the woman's hand, which some one has said were the requisites for the good surgeon.

During his life, he held many positions of honer and trust. He was surgeon of the New London & Northern Builtond, surgeon of the Third Regiment, U. N. G., Medical Director of the State, with the rank of Lieux-Colonel. He had been President of the Connecticut Medical Scenery, Romerary member of the State Medical Society of Manne, and of the Neurobegical Society of the United States.

Dr. Carleton was trace married his second wife and two mens of the first marriage survive tim. He died December 30, 1886, of postments, after a shart illnois. Funeral services were held in Park Church in this city, by Ber. Dr. Hawe, where a large company of friends had gathered to perform the last access to the kind friend and skillful surgeon. His body was removed to Massachusetts for burial, where it rests by the body of he patient and gentle wife, the companion of im trials, his anvector and his success.

R. FRANK COATES, M.D., MYSTIC BRIDGE.

By FRANK A. COATES, M.D.

Kins Frankim Coaces, sen of Kins and Maria Philips Coates, was been at Plainfield, Connecticut, August 21, 1820. He read medicine with Dr. Cogswell of Plainfield, and in 1843, at the age of 23, was graduated from the Vale Medical School. Sconafter graduation be settled in Portecurille (new Mystic River), Connecticut.

His printice was always large and extensive, involving much expensive, and rough riding; but he was an outherint in his profemion, and for freely-three years no weather was too morney, no night too dark, for him to cheerfully answer the call of the rich or poor. He loved his work; and with the exception of a three months' way in New York, in attendance upon medical betures, the vacations which he allowed himself may be counted upon the fragers; the largest and last, four years before his death, being of only two works duration. For a stort time he had associated with him as partner Dr. A. W. Coates an uncle of his and a coate mate at the medical school, but about the year 1854 this partnership was dissolved, and he continued the finities alone until 1875, when the writer of this sketch began practice with him. Later, in 1819, a partnership was formed under the same of E. F. & F. A. Coates, which was continued intil his death. Winle always attending to general practice; he had a fordness and aptitude for obstetrics and oterine disorders. His latter years were more

especially devoted to these branches, in which he had acquired a widespread reputation.

Early in the winter of 1885 and 1885, I noticed that he benith was failing, and urged him to take a well-earned and much needed even, but to no purpose; and when in the following semener I entreated him to heave his cares until such time as health being restored to might be able again to assume them, his only reply was, that "If his needulness was over, he had no desire to live longer," Thus he worked on, gradually failing in strength, until when he made his last visit it was necessary to assist him from his carriage to the bedeide of his patient. Five weeks later he died — Decimber 5, 1886 — aged 46 years.

ALANSON IL BOUGH, M.D., ESSEX.

By RUPES BAKER, M.D., OF MISCHESPER.

The early physicians of New England were noted for subsacrificing devotion to their notice calling. They were brought, almost daily, into contact with the suffering and helpless, who looked upon them as the only human beings from whom they could obtain roblet. Their faithfulness won for them, in very many cases, regard and deep affection such as was given to no one else outsile the home circles of their parients. Not infrequently this was their only reward. But they last chosen their profession in the belief that its mission was higher and subfer than the more acquisation of wealth. Having the poor always with them, they went about doing good with untiving smal. Such a physician was Alamon Hodges Hough, whose life I now faintly sketch.

His first assessor is America came from England about 1625, and settled in Marshfield, Mass., whence, he moved to New London, Conn., in 1650. Dr. Hough was born tet. 26, 1893, in Boursh, Conn., on a farm which had assesseded to his lather from his grandfather. He recovered such estimation as the common schools of that day afforded and his work on the farm permitted. While nursing an invalid brother, his fact and adaptability in earing for the sick attracted the attention of Dr. Johnson, the uttend-

ing physicism, at whose suggestion and in whose office fir. Hough began the study of medicine. He attended courses of fectures at the Barkshire Medical Institute, Pittafield, Mass., in 1828, and at the Yale Medical School, New Haven, Cons., in 1828-32, and received his diploma March 5, 1832.

Like many of the young men of that day, his relatives being outble to assist him in obtaining a professional education, he was thrown upon his own resources for the money to pay his way. This he got by teaching school and in other employments. He succe gave the writer a hamorous account of his first trip to attend lectures at the Yale Medical School. He trudged all the way from Bossah to New Haven, the Merca of his hopes, clad in hunterput homespue, with pack upon his back,

Dr. Heugh settled in Essex, Cosm, in 1832, where he remained until he died, full of years and belowed by his fellow townsmen. Aug. 18, 1886. He was never robust in health, and was therefore smaller to endure some hardships and privations incident to the life of an active medical practitioner to which his kind and generous nature prompted. But he kept the even tenor of his way, often facing night and storm to find, perhaps, a patient not needing medical attention and nursing so much as he bennelf needed them.

I formed his acquamtance, which was intimate for seventeen years while I resided near him, in my early practice. He had a well-balanced mind, sound judgment, and alreadant resonnesses, and was an able and valuable counselor to me at the time I most needed such a friend. He was unselfish in his intercourse with his brethren, generous in his impulses, and strictly conscientions. Frank and ingeneous, honorable in all his dealings, sensitive and tender is his feelings, he detented trunchery and hypocrisy of every kind and under all circumstances. He was a firm and shouldness friend, through evil as well as good report, an affectionate hisband and father, a good citizen, and an honest man.

Dr. Hough was internely interested in the cases of education, and served several years as school visitor. He was elected to the State Serato in 1905, and served as chairman of the Committee on Humane Institutions. A firm believes to the truths of Christiantly, he was an exemplary and consistent member of the Bagtist (burch in Essex, in which he was a descen from 1840 till his death. He was twice married: his first wife, Mary Lathrop, died in 1833, leaving no children; his second wife, Sman E. Williams of Essex, died Nov. 15, 1872, Inveing seven children.

Looking back upon a long professional experience, and respectively my beethron who have died, but still live in our affectionate memory, I am again reminded that the best thing that can be said of any man when he is short is that he was a good man and tried to do his whole duty. In saying that of Dr. Hough, I can but speak the truth for all who knew him. Those of his profession who survive him will be fortunate indeed if, by imitating his virtues as a man and as a physician, they earn as great praise and leave so sweet a memory.

WILLIAM C. BENNETT, M.A., M.D., DANBURY.

By A. E. Anams, M. D.

Dr. William Cometock Rennett died in Danbury July 12, 1886, in the 51st year of his age. He was a son of Eura P. and Sarah (Cometock) Bennett, and was born in Hethol. Come, March 2, 1836. He was prepared for college at the Hopkins Grammar School. New Haven. Come, and at the Dudley Institute. Northempton, Mass., and entered Yale in the class of '57, July 25, 1853. He left December 20, 1853, and entered the class of '58, September 13, 1854.

During the summers of 1858-3 he studied medicine in Danhury, Conn., with his father, and during the summer attended the lectures in the College of Physicians and Surgeons, New York. March 1, 1860, he received the degree of M.D. there, and until he entered the army practiced medicine in Danhury, Corn. July 23, 1861, he was mustered into the Fifth Connecticut Infantry as Assistant Surgeon, and June 28, 1863, was honorably discharged, and in the same month was appointed Assistant Surgeon. United States Volunteers. December 4, 1863, he was promoted to Surgeon United States Volunteers. December 4, 1863, he was promoted to Surgeon United States Volunteers. December 4, 1863, he was promoted to Surgeon United States Volunteers, and was assigned to the Twelfth Army Corps. He was afterward attached to the Twentieth Corps (Stocum's), and promoted to the rank of Medical Inspectic (he was then 28

years old). Feb. 15, 1865, he resigned at Savannah, Ga , and has since been practicing medicine to Danhury; Cour.

In July, 1864, he received the degree of M.A. from Vale. In-Bennett has filled town offices in its civil and schrational departments, and it is with unfeigned grief that the medical profession and the community at large realise their loss.

His father, Dr. E. P. Bennetz, with whom he was associated in practice for many years, was a thining light in the profession. Since his death the profession and laky have broked to "Dr. Will." for counsel, on account of his sound judgment in diagnosis, wise discretion, and rare operative skill in surgery, and the same of Dr. Pennett has become familiar in every household in this section By his death the profession lose a was and honorable counselor.

JAMES WELCH, M.D. WINSTED.

James Welch, M.D., the son of Bergumin Welch, M.D., was born at Norfelk Conn., January 7, 1887, and died in Winstel, Coan, Nevember 22, 1886. He pursued his medical studies under the direction of his father and of his brothers, Drs. Asa G. Welch of Lee, Mass., and Benjamin Welch of Salisbury, Coun., and was graduated at the Berkuhire Medical Institute in Pittsfield, Mass., in 1830.

After practicing his profession for a law months in Sandinfield, Mass, he located, in 1831, in Winsted, Conn., m response to an urgent invitation given him by many of the leading men of that town. He continued in active practics in Winsted unm within a few weeks of his death, excepting an absence of a few years on account of failure of his health, when as soon as it was perfored, after having been associated with his brother Dr. Asa G. Walch is practice, he returned to Winsted. His professional activity autemied over a period of nearly 57 years.

Dr. Benjamin Welch and his five som, of whom Dr. James Welch was the third, were engaged in the practice of medicine wittin an area of about thirty-seven miles in Litchfield and Berkwhire Counties, often incessing each other in consultation. Of these some Dr. Win. W. Welch is still in active practice in Norfolk, the scene of his father's professional labors.

Dr. James Welch had six children, of whom three sons survive him. Of these two are practitioners of medicine, one, Dr. Edward Welch, succeeding to his father's practice in Winsted, the other, Dr. Win C. Welch, being located in America, Conn., and James A. Welch, a druggist in Winsted, many years, and another son, Dr. John B. Welch who was assistant surgeon of the 13th Regiment, Conn. Volunteers, and died at Ship Island, Feb. 13, 1862.

Up to the period of his death, Dr. James Welch conducted an entensive and successful practice, both consulting and private, He possessed, in an unusual degree, attributes which not only fixted him for the successful practice of his profession, but which secured for him the respect and confidence, and even the affection of his patients and follow-townsmen. He was a man of strong character, and was pure and upright in his life. He had that most important qualification of a successful practitioner of medicine, a genial and courteous nature, which bring their and awaken courage and hope in the sick room, mailties which experience has shown to be not singly the least of remedial measures. To him the practice of medicine meant the relief of luman suffering from disease and its cure if possible; to accomplish this end he was untinng in his efforts, and was ever ready to sacrifice his own comfort, no less for the poor than for the rich. His tife was one of devotion to the duties of his profession which possessed for him genuine scientific interest and which aroused in him much quiet enthusiasm. Hewas see acute observer of the phenomena of disease, and was capublic of accurate and frunful generalization from the results of his own wide experience. Throughout his career he kept abreast of the advances in practical medicines, and never allowed his ideas to become fossilized. He brought to the management of diseases under his care was judgment, well-afted experience, accurate knowledge, and skillful trestment. While always open to the reception of new ideas, he was always wisely conservative in the retention of methods of treatment, the stilling of which had been thoroughly tested by he two experience.

He was, for example, throughout his professional career as unwasyring advicate of a method of treatment which has witnessed many virisorades, namely, the practice of sensection in prosperal convulsions, and this treatment, in his extensive obstetrical practice left nothing to be desired.

His faith in the cimative and pullistive efficiety of drugs did not make him lose eight of the necessity of hygienic treatment. He was in the habit of giving to his pullents minute instruction in regard to their dist, clothing, exercise, and sanitary surroundings.

His long residence in one place, and his knudly, social nature brought to him, in the course of time, an intimate knowledge of the family history of his patients, of their constitution inherited, and acquired, of their habits and surroundings, and of their predisposition to disease, and he availed himself to useful purpose in the management of their diseases, of this knowledge of personal factors which are so important and so often lacking in the souther of city practice.

While not free from the hardships, Dr. Weich enjoyed the special compensations of the life of a successful and respected practitioner of medicine in the country, who, as a rule, has more intimate personal and social relations with the families under his professional charge than his brother practitioner in the city, and whose position, founded upon the respect and confidence of the community, is consently one of influence and of opportunity for good in many directions.

Or. James Welch was the type of such a practitioner of medicine, whose best legacy consists not in interary contributions to medicine, but in a mass of human suffering referred, in lives restored to leabth, and in the granizade of the large number who misure his loss. The memory of such a man is long preserved in tradition in the region waste he lived, worked, and died.

APPENDIX A.

AN ACT

REGULATING THE PRACTICE OF MEDICINE.

Sacroox 1. On or before October first, 1887, every person ongaged in the practice of medicine, surgery, or midwifery in this State, at that dute, is hereby required to register his name in a book to be preclifed and kept for that purpose by the click of the Superior Court of each county, stating, under each, his or her name, place of birth, and present residence, from what medical college, if any, a govinate, and the date of such graduation; or, if practicing under a license, from what society, and at what date obtained; and if without either diploma or license, for how long a time engaged in practice. Every person complying with the terms of this section shall be entitled to a certificate of registration from said click, for which he shall pay a fee of one dellar, one half of which shall be paid into the transpry of the county.

Sec. 2. Prom and after October first, 1987, we present shall commence the practice of medicine, surgery, or substifery, in this State, or be permitted to register his or her name for the purpose of so recummeday, who is not a graduate of a medical college, recognized as regutable by one of the legally chartered medical scaleties of this State, or who is not a licensee of one of said societies, except as hereinafter provided; and all persuas before so commencing to practice shall register as required by section one of this act, except as to the dute therein required.

Size 3. Each of the State medical societies of this State shall, at their peat annual meeting after the passage of this act, appoint one of its members in each county, who shall serve as an examining board for that county, and sutil their successors shall have been appointed, and notice of such appointment shall be given to the clerk of the Superior Court of the county in which they made.

SEC. 4. Any person who may, after October first, 1887, desire to conpance the practice of midwifery in this State, having neither of the qualifications required by section two of this act, shall notify the clerk of the Superior Court of such desire, who shall cause the notice of this fact to be sent to each of the board of examiners of the county in which the appliciant makins, who, after proper notice given to such applicant, shall must at such time and place as they may decignate, and make such constitution of the applicant as they may deep necessary, and, as their discretion, reconsend or refere to recommend such person for registration, and by that dictains the said clerk shall be governed; and every such person receiving a conflicate from said clerk shall be presented to practice midwifery in this State.

- Sec 5. No person and a resident of this State shall practice medicine, surgery, or midwifery in any town or city of this State, except for purposes of consultation with some one duly registered, without previously registering as required by the terms of this act.
- Size 6. The secretary of each of the legally chartered State medical societies of the State shall file with the clerk of the Superior Court of each county a list of medical colleges or institutions recognized as legal and reputable by his society; or, all of such secretaries may agree upon a single list; and such list or lists may be corrected from time to time so may be moreously.
- Sec. 7. Any person who prescribes medicine, or performs any proceduce of surgery or molwifery, or treats or professes to treat disease, deforency, or injury, by our drug, operation, or apparatus, for the purpose of guin, directly or indirectly, shall be considered as coming within the intent of this act.
- Sec. 8. Nothing in this set shall apply to medical students parsuing their studies with a registered physicism or in any legally-chartered medical college, as to destints practicing destints; only, or to persons remiering gratuitous services in cases of emergency, nor shall anything in this act be construed to impair the rights or privileges of the chartered medical societies as set forth by the present laws of the State.
- Sec. 8 Every person violating sections one, two, four, or five of this set shall be decased guilty of a misdementary, and on conviction shall be possibled by a fine of not less this one handered nor more than three irradiced dollars for the first offerse, and for each subsequent offerse by a first of not less than two hundred nor more than five handred dollars, or by imprisement in the county jult for not less than thirty nor more than ninety days, or by both such fine and imprisonment, the fine, when got tested, shall be paid one half to the person or corporation making complaint and the other half to the county tensury.
- SEC. 10. All arts or justs of acts incomment sum the provisions of this set are hereby repealed.

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-117

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C. A. Lindsley,
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^{*}Proteitte year of exc.

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George D. Statten

Uncareffe:
Emil Matthewson.

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- 44

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Names S. H. Hamegho. A. B. Gerlinte.

-73

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- 504

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-37

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-40

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-19

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Allay, I. R.,
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Date and four of Contractors
Albury, 1881.
Coll. Phys. and Starg., 1888, Barthagrow, 1881.
Univ. N. Y., 1879.
Univ. N. Y., 1879.
Univ. N. Y., 1879.
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Univ. N. Y., 1876.
Univ. Phys. and Sarg., 1871, Bellieum, N. Y., 1872.
Yale, 1860.
L. T. Houp, Coll., 1877.
Bellieum, 1890.
L. T. Houp, Coll., 1877.
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Yale, 1852, Univ. N. V., 1871, Univ. N. V., 1976, Colf. Phys. and Surg., 1884, Colf. Phys. and Surg., 1884, Colf. Phys. and Surg., 1886, Yale, 1841, Bellerus, 1823, Dermodrum, N. H., 1970, Berkshire, Mass., 1851, Yale, 1920, Univ. Haffalo, N. Y., 1862, Volc. 1823, Volc. 1823, Univ. Haffalo, N. Y., 1862, Volc. 1821, Bartington, Vi., 1828, Colf. Phys. and Surg., 1861, Colf. Phys. and Surg., 1813, Edlerus, N. Y., 1823, Colf. Phys. and Surg., 1813, Edlerus, N. Y., 1823, Colf. Phys. and Surg., 1813,

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Calif. J. P. Catop. C. W ... Campbell, Jan., Jr., Campbell, A. J., Circon, F. M. Carealt, W. H., Carriagten, Charles, Carrington, Henry A.

Hant and Descrip Graduation. Harrard, 1992. Cell. Phys. and Strg., 1881, Calle N. Y., 1971. Kallington, Vt., 1961. Yale, 1892. Coll Pleas and Surg. 1979. Univ. N. Y., 1905. Berkshire, 1894. Berkelsier, 1965, Fabr. 1817 Berkshire, 1849. Univ. N. V., 1869. Yalk, 1929. Yalv, 1800. Vale, 199). Yale, 1854, Yale, 1853, Belleron, 1981, Coll. Phys. and Strg., 1878. Vermont Med. Com., 1948. Yale, 1856, Coll. 15ays, and Surg., 1877. Call Phys. seel Stre. 1977; Yule, 1864. Bellevus, 1864, Coll. Phys. and Sorp. 1873. Dartin-sith, 1978. Fase, 1880. Yale, 1967, Yale, Der. Yale, 1884. Univ. N. Y., 1878. Yale, 1853. Herriant, 1881, Coll. Flore and Sutz. 1881 Call Phys. and Stee, 1847, Coll. Phys. and Street, 1978. Vals. 1806; Coll. Phris. and Surg., 1829. Georgetown, D. C., 1866. Yels, 1848, L. F. Coll. Hosp., 1815. Cell. Phys. and Surp., 1802 Univ. N. Y., 1805, Date. N. V., 1806. Berkstin, 1829. Vale, 1891. Jefferson Pa., 1929.

Vale, 1886. Univ. N. T., 1874, Univ. Verment, 1874. Coll. Phys. & Sterr., Ball., 35, Porthad Unic. N. U. 4867, Clark Unic. 1881, Cvd. Phys. and Surg., 1845, Coll. Phys. and Serr., 1818. Harrist, 1848.

T. 11 Address. New London. Litellifehl Mandus. Windoor New Haves South Norwalk. Waterleary. Williamstric. Brittol. Deep River. West Wimtel: Distinguist. New Herein New Blazen. New Haven Latervilla North held. Helaspert. Weithrook Mountain. Westpark Bridgepert. Meriden New Harry. New London. STOREGOOD, Naticiela New Historic Harrierd Name Haven. Washington Snexty Hook. Wachington, Jewell Slity. New Calutan. 1 pts 100-14. Phinterille District berry Biti-Horpert Mosser tile. Middletown. South Norwalk. Witness Locks: South Hinday. Middledown New Hattford, New Harris Barrier C.

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Pines and Day of Limitable Entr. Vermont, Yale. 1930, Yale. 1986, Univ. N. Y., 1882, Call. Phys. stal Serg., 1864, Call. Phys. ApJ Star., 1869. Coll. Phys. and Surg., 1860, Fairt N. Y., 1677, Woodstock, Vt., 1830, Yate, 1802, Entr. Vectors, 1800, Cell Phys. and Surg., 1876. Call N. V. 1887. Vale, 1834, Univ N. Y., 1953, Yale, 1855. Bowless, Mr., 1856. Cell. Phys. and Stary, 1825. Bellevo, 1881, Univ. N. Y., 1865, Catleron VI. 1865, Univ. N. Y., 1883, Date N. Y., 1865, Berkstere, 1861, Castleson, 1864, Tale, 1893. Women's Colt., Pa., 1895; Yale, 1831. Univ. N. Y., 1881, Coll. Phys. and Surp., 1874. Berkshire, 1862 Coll Physicand Surg., 1882. Bellevac 1808. Albury, 1805. Call Phys. and Surg. Cair N. Y., 1982. 5307.

Yeals, USER Univ. of Pa., 1885. Charleston Med. Coll., 1990. Coll. Phys. and Surp., 1881; Harried 1822 Victoria Cell, Montreal 1836, Williamstor Montreal Univ. N. Y. 1865, Bartingens, N. J., 1871, Coll Phys and Surg. 1869. Vale, 1854 Unit: N. T., 1882, Yale, 1888, Yale, 1848. Unit of Jens 1885. Jefferson, 1832, Pate, N. Y., 1885, Valv., 1858, Coll., Phys., and Surg., 1884, Jefferson, ISSN, Yale, buck, Vale, 1500.

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Print and Mile of Fridamon. Pair N. Y. 1881. Yale, 1884, Univ. N. Y., 1848, Yale, 1873, Call. Phys. and Sarg., 1818. Yarks, Trion Harvard, 1801, Women's Coll. Pt. 1829. Vall N. V. 1871.

Cell Phys and Surg. 1994. Cell Phys and Surg. 1870. Coll Phys and Sang 1880, Coll Phys and Steel 1839. Albany, 1878, Univ. Math., 1875.

Women's Med. Cut., Pa., 74, Meridea L. I. Coll. Boop., 1967, East Hay Bellevist, N. Y., 1877. Univ. Pa . 1976, Univ. N. Y., 1814, Darrassain, 1881, Yale, 1978, Yale, 1879, Pair, N. Y., 1884 Yale, 1878, Harvant, 1987, Oil, Phys. and Sung., 1881, Univ. N. Y., 1870, Univ. N. Y., 1881, Univ. N. Y., 1862, Aug. Arbeit, 1882. Bellerius, 1980 Univ. N. Y., 1881 Copyribuscii, 1976. Call Park and Surg., 1884. Cell Phys. and Sect. 1865. Belevie, 1815.

Husani 1977, L. I. Coll. Hoos. 2861, Vale away Yale, 1878 Bellevus, 1988 Yele, 3424.

Yule, 1801. Unio N. Y., 1881. CAL Phys. and Serre., 1860. (Wester's Mod. Call., N. V., Burnseult 1882, Bololin, 1844. Cott Plus and Sine 1900. Valy, 1868; Yale, 1879; Yale, 1879.

F. D. ASSESSA. Fair5e51. New Hates. Meriden. Bridgistat. Berlines: Greenfield HZI Waterbury. Haltford

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Gentre, E. L.,
Gentre, C. R.,
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Jacobs, D. Dulton, Jarris, Geo. C., Pice and State of tradiscion.
Take, 1969,
Harrard, 1886,
Bartarenh, 1962,
Yafe, 1863,
Gell, Phys. and Sarg., 1969,
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L. L. Coll, Barry, 1964,
Enir N. Y., 1847,
Date, N. Y., 1828,
Date, N. Y., 1923,
Cell, Phys. and Sarg., 1854,
Gell, Phys. and Sarg., 1854,

Coll. Phys. and Surg., 1885. L. E. Loft, Heap., 1964. Univ. N. Y., Harrard, 1866. Bellonie, N. Y., 1884. Univ. N. Y., 1884. Coll. Phys. and Surg., 1847. Vals., 1885. Coll. Phys. and Surg., 1847. Vals., 1881.

Yale, 1881.
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Unite Michigan, 1833.
Yale, 1882.
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Albary, 1883.
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Unite X. Y., 1878.
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Yale, 1872, Yale, 1806,

Bellevan, 1970.

Allferren, 1958.

Durinouth, 1891, Coll Phys. and Sarg., 1875, Yale, 1890, Yale, 1851, Partnessti, 1823, deffered, 1853, L. I. Coll. Heep, 1873, Coll. Phys. and Sorg., 1880, 1991, Phys. and Sorg., 1880,

Yale, 1976, Coll. Phys. and Sorg., 1879. Cult. Phys. and Sorg., 1880, Yale, 1808.

Call. Phys. and Save., 1800.

Univ. N. Y., 1871, Univ. N. Y., 1881, P. W. Abbook.
Old Snylarock.
New Leaster.
Historie M.
Mystle River.
Narwalk.
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Hocky Hitt.

Comwell Crownwill. Pertined. Killingly Terringion. Norwick. Old Littee New Britain. Hartlard New History. North Countie. Hyddam. Missoul Dapie isomolile. Normalk. Emi Killingly, East Kallingly O dibrantic Norpacy. Bridgeport. New Billian Waterleay. Thunspieces. Universitie New Harren. Patients. BYENTS. Haithard. Hantford. Mariabest. Esert. Bridgeport New Hapen. Hutford Meriden. Street and Seyrmontr. Harriage. William. Stillafont

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Mallicese, Max, Male, Napoleon, Print and Date of Graduation L. I. Cold. Hosp., 1875, Unite. N. Y., 1883, Unite. N. Y., 1883, Unite. N. Y., 1872, Comm. Med. Soc., 1825, Unit. N. Y., 1870, Cold. Phys. and Stary, 1870, Jufferster, 1875,

L. I. Coll., 1880, Coll. Phys. and Surg., 1875, Coll. Phys. and Surg., 1873, Harvard, 1872; Harvard, 1880, Cull. Phys. and Surg., 1880, N. Y. Mod. Cull., 1880, Coll. Phys. and Surg., 1880, Coll. Phys. and Surg., 1880, Coll. Phys. and Surg., 1880, Univ. N. V., 1880, Univ. N. V., 1880,

Yale, 1944. Univ. N. Y., 1883, York, Diff. Believes, 1871, Victoria, Montreal, 1871, Bestons Coll., Montreal, Fale, 1809. Yale, 1865. Univ. Penn., 1886. Belletie, 1885. Conn. Mpd. Soc., 1866, Harvard, 1975, Yak, 1856 Yak, 1864 Yak, 1881 Date, N. Y., 1891 Harvanl, 1854. Coll. Phys. said Sury., 1818. Yede, 3857. Yale, 1808, Yale, 1882, Cell, Phys. and Step., 1801, Vale, 1885. Boudsie, 1984, Yale, 1882. Coll Phys. and Shap, 1878. Dair, N. Y., 1886. Univ. Vermont, 1882. Derkskirr, 1802 Cell. Picts. and Surg., 1885; Call Phys. and Serg . 1863. Columbus, 1876,

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Univ. N. Y., 1882. Yule, 1980, Yale, 1868. Univ. N. Y., 1816, Yale, 1880, Berkshirs, 1960, Coll. Pays. & Surg., Ball., Sl. Norwich L. I. Coll. Hosp., 1983. Danielon Yale, 1955. East Win Univ. N. Y., 1881, Coll. Pays, and Surg., 1868. Yale, 1847. Fair, N. Y., 1848. Unit: N. Y., 1879. Coll. Plays, and Surg., 1887. Univ. June, America, 1863; Yale, 1807. Calv. N. V. 1881, Yalv., 1550. Yoke, 1835. Univ. N. Y., 1885.

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Walnutries, W. A. M., Coll. Phys. and Surg., 1867. Yale, 1954. Coll. Phys. & Surg., Bali, St. Wakemen, M. H., Wabile Frenks Dartmouth, 1817, Watset, A. Sc. Coll Phys. and Sarg., 1830; L. I. Coll Burp., 1884; Tall. S. V., 1830; Coll. Phys. and Burg., Ma., Water, J. A., Water, W. L. Way, Beary E., Wester, C. H., West, D. M. West, Willa E., Yels, 1849, Coll. Phys. and Serg., 1886. Welch, Gro. K., Welch, W. C., Welch, William W., Coll Phys. still Saig., 1878. Yale, 1877, Yale, 1819,

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